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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KINGSVIL--ETC(U)
JUL 78

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UNCLASSIFIED

1 OF 4
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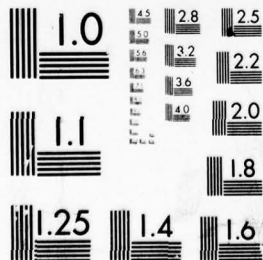
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DIRECTOR
NAVAL OCEANOGRAPHY AND METEOROLOGY

S M O S

(Summary of Meteorological Observations, Surface)

Prepared by
Naval Weather Service Detachment
Federal Building
Asheville, N. C. 28901

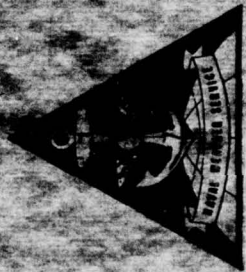
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Kingsville, Texas																
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure																

STATION NO OR VVARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT.)	CALL SIGN	WMO NUMBER
12928	Kingsville, Texas	27°30'N	97°49'W	50	KNQI	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather office, hangar #760	NS		1954	27°30'N	97°49'W	60	Mercurial	24
2.	" " "	"		1954	"	"	60	"	24
1a.	Weather service office, Bldg 1770	"	1954	1968	"	"	55	Aneroid	24
2a.	" " "	NAAS	1954	1965	"	"	58	"	24
2b.	" " "	NAS	1965		"	"	57	"	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1954	Discontinued	Selsyn	Double register		1. Barograph (7 day open scale) 2. Semi-auto met. station (GMQ-14) 3. Ceiling light (ML/121)
2.	1954	Installed transmitter on roof of operations building. Recorder is located in weather service office, building 1770.	AN/UMQ-5B	RD-108/UMQ-5	62'	4. Cloud set (AN/GMQ-13C) 5. Transmissometer (AN/GMQ-10C) 6. Radar Fax Recorder (GMH-6(V)) 7. Closed circuit TV (AN/GMQ 27-V) 8. Sta. press. alt. (Kollsman)
3.	1961	Transmitter 500' west of operations building # 1770 .	UMQ-5C	RD-108B	Above Ground 20'	9. Pilot to forecaster transmitter/receiver (AM-413A/6) 10. Tpg. bucket rain gauge (GMQ-14) 11. RVR 1D-1348 12. Alt. stg. contr. indic. C-7826/F

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSA), Asheville, N. C. welcomes your comment and criticisms.



PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00	.6	12.3	1.3			13.5	17.4				17.4	155
	03		18.7	.6			19.4	25.8				25.8	155
	06	.6	19.4	.6			20.0	33.5				33.5	155
	09		19.4				19.4	41.3	1.3			41.9	155
	12	.6	11.6	.6			12.3	20.6	4.5			25.2	155
	15		15.5				15.5	16.1	3.9			20.0	155
	18		12.3	1.3			13.5	20.0	1.3			21.3	155
	21		12.9	.6			13.5	18.1				18.1	155
TOTALS		.2	15.3	.6			15.9	24.1	1.4			25.4	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

12928

STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00		4.3		.7		5.0	11.3	.7			12.1	141
	03		9.9		.7		10.6	22.7				22.7	141
	06		9.9				9.9	29.8				29.8	141
	09	.7	7.8				7.8	28.4	15.6		1.4	41.1	141
	12		9.2				9.2	9.9	9.2		2.1	20.6	141
	15		5.0				5.0	8.5	6.4		1.4	16.3	141
	18		7.1				7.1	8.5	6.4			14.9	141
	21		5.0		.7		5.0	8.5	1.4			9.9	141
TOTALS		.1	7.3		.3		7.5	16.0	5.0		.6	20.9	1128

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00	1.9	8.4				8.4	12.9	.6		.6	14.2	155
	03		7.1				7.1	20.6			.6	21.3	155
	06		7.1				7.1	30.3				30.3	155
	09	1.3	11.0				11.0	32.3	12.3		.6	41.9	155
	12	.6	8.4				8.4	9.0	7.7		1.9	18.7	155
	15		4.5				4.5	5.8	11.6		.6	17.4	155
	18		4.5				4.5	4.5	7.7		.6	12.3	155
	21	1.3	7.1				7.1	7.7	5.8		.6	13.5	155
TOTALS		.6	7.3				7.3	15.4	5.7		.7	21.2	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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12923 STATION KINGSVILLE, TEXAS 73-77 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00		7.3				7.3	12.0	.7			12.7	150
	03	1.3	3.0				8.0	20.0				20.0	150
	06	1.3	10.7				10.7	36.0	4.7			40.7	150
	09	1.3	8.7				8.7	17.3	14.7			30.0	150
	12	2.7	4.0				4.0	4.0	12.0			16.0	150
	15	1.3	7.3				7.3	4.0	12.0		1.3	16.0	150
	18	1.3	5.3				5.3	2.7	14.7		.7	17.3	150
	21		4.7				4.7	5.3	4.0			9.3	150
TOTALS		1.2	7.0				7.0	12.7	7.3		.3	20.3	1200

WEATHER CONDITIONS

12923
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	1.3	1.9				1.9	5.2	2.6			6.5	155
	03	.6	4.3				4.5	14.2	2.6			15.5	155
	06	.6	2.6				2.6	45.2	19.4			57.4	155
	09	.6	3.2				3.2	8.4	20.6			25.2	155
	12	1.3	8.4				8.4	.6	14.8			15.5	155
	15		3.2				3.2		11.6			11.6	155
	18	1.3	3.9				3.9	.6	11.6			12.3	155
	21	.6	1.9				1.9	1.3	7.1			7.7	155
TOTALS		.8	3.7				3.7	9.4	11.3			19.0	1240

WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	.7	4.0				4.0		1.3			1.3	150
	03	.7	2.0				2.0	7.3	2.7			9.3	150
	06	.7	3.3				3.3	41.3	16.7			54.0	150
	09	2.0	4.7				4.7	2.0	12.7			13.3	150
	12	4.7	12.0				12.0	.7	6.7			7.3	150
	15	2.7	6.7				6.7	.7	6.7			7.3	150
	18	.7	2.7				2.7		4.0		.7	4.7	150
	21		3.3				3.3		2.0			2.0	150
TOTALS		1.5	4.8				4.8	6.5	6.6		.1	12.4	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00		1.3				1.3	.6	1.3			1.9	155
	03		3.9				3.9	1.9	1.3			3.2	155
	06		3.2				3.2	47.1	12.9			52.3	155
	09	.6	5.2				5.2	3.2	5.8			9.0	155
	12	.6	6.5				6.5	1.3	3.9			5.2	155
	15	4.5	4.5				4.5	.6	2.6			3.2	155
	18		2.6				2.6		5.2			5.2	155
	21	.6	2.6				2.6		1.3			1.3	155
TOTALS		.8	3.7				3.7	6.8	4.3			10.2	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00		1.3				1.3		1.3			1.3	155
	03	1.3	2.6				2.6	6.5	3.2			7.7	155
	06	1.3	3.2				3.2	38.1	13.5			43.2	155
	09	.6	5.2				5.2	5.2	9.7			12.3	155
	12	5.2	2.6				2.6		4.5			4.5	155
	15	4.5	7.7				7.7	.6	5.2			5.2	155
	18	.6	3.2				3.2		1.9			1.9	155
	21		1.3				1.3		1.3			1.3	155
TOTALS		1.7	3.4				3.4	6.3	5.1			9.7	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00	2.7	4.0				4.0	2.7	2.7			4.7	150
	03	1.3	2.7				2.7	11.3	3.3			12.7	150
	06	2.0	5.3				5.3	32.0	4.7			32.0	150
	09	.7	5.3				5.3	8.7	10.7			14.7	150
	12	1.3	6.0				6.0	1.3	10.0			10.0	150
	15	2.7	7.3				7.3	.7	7.3			8.0	150
	18		4.0				4.0	.7	8.0			8.7	150
	21	1.3	2.0				2.0		4.0			4.0	150
TOTALS		1.5	4.6				4.6	7.2	6.3			11.9	1200

NAVWEASERVCOM

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00	.4	7.1				7.1	5.8	.6			5.8	155
	03	1.3	8.4				8.4	11.0				11.0	155
	06		8.4				8.4	26.5	2.6			27.7	155
	09		7.1				7.1	12.9	14.2			26.5	155
	12		6.5				6.5	2.6	5.8			8.4	155
	15	.6	5.2				5.2	1.3	4.5			5.8	155
	18	.6	3.2				3.2	2.6	3.9			6.5	155
	21	.6	5.2				5.2	2.6	1.9			4.5	155
TOTALS		.5	6.4				6.4	8.2	4.2			12.0	1240

WEATHER CONDITIONS

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00		7.3				7.3	10.0				10.0	150
	03		6.7		.7		7.3	20.0				20.0	150
	06	.7	8.0				8.0	26.7				26.7	150
	09		4.7				4.7	25.3	10.0			32.0	150
	12		5.3		.7		5.3	10.0	9.3			17.3	150
	15		4.0				4.0	7.3	4.0			11.3	150
	18	.7	6.0				6.0	6.7	7.3			14.0	150
	21		5.3				5.3	5.3	.7			5.3	150
TOTALS		.2	5.9		.2		6.0	13.9	3.9			17.1	1200

WEATHER CONDITIONS

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00	.6	8.4		.6		8.4	11.6			.6	12.3	155
	03		8.4				8.4	19.4				19.4	155
	06		10.3				10.3	20.6			.6	21.3	155
	09		7.1				7.1	29.0	6.5		.6	34.8	155
	12		6.5				6.5	11.0	3.9		.6	14.2	155
	15		9.7				9.7	10.3	.6			11.0	155
	18		8.4				8.4	11.6	1.9			12.3	155
	21		7.7				7.7	9.7				9.7	155
TOTALS		.1	6.3		.1		8.3	15.4	1.6		.3	16.9	1240

WEATHER CONDITIONS

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

ALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	15.3	.6			15.9	24.1	1.4			25.4	1240
FEB		.1	7.3		.3		7.5	16.0	5.0		.6	20.9	1128
MAR		.6	7.3				7.3	15.4	5.7		.7	21.2	1240
APR		1.2	7.0				7.0	12.7	7.9		.3	20.3	1200
MAY		.8	3.7				3.7	9.4	11.3			19.0	1240
JUN		1.5	4.8				4.8	6.5	6.6		.1	12.4	1200
JUL		.8	3.7				3.7	6.8	4.3			10.2	1240
AUG		1.7	3.4				3.4	6.3	5.1			9.7	1240
SEP		1.5	4.6				4.6	7.2	6.3			11.9	1200
OCT		.5	6.4				6.4	8.2	4.2			12.0	1240
NOV		.2	5.9		.2		6.0	13.9	3.9			17.1	1200
DEC		.1	8.3		.1		8.3	13.4	1.6		.3	16.9	1240
TOTALS		.8	6.5	.0	.0		6.5	11.8	5.3		.2	16.4	14608

WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

12928

KINGSVILLE, TEXAS

51-77

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	2.7	43.1	.7	.9	.1	43.2	55.3	17.9		1.2	58.9	806
FEB		3.5	36.5	.1	.5	.1	36.6	48.4	21.0		4.5	58.2	735
MAR		4.6	37.7			.1	37.7	49.9	25.2		6.9	61.0	806
APR		9.0	34.5			.1	34.5	48.5	31.9		6.4	62.8	780
MAY		15.4	33.7			.2	33.7	45.0	33.4		3.5	59.8	806
JUN		15.1	30.4				30.4	29.3	18.4		4.2	39.7	809
JUL		11.7	23.2			.1	23.2	24.8	13.9		5.2	35.1	793
AUG		17.2	29.2				29.2	24.5	12.8		4.1	32.1	837
SEP		18.9	41.1				41.1	34.7	20.6		1.6	43.2	810
OCT		7.3	30.6			.1	30.6	42.4	21.6		1.1	50.7	837
NOV		2.2	33.8		.4		33.8	45.6	18.1		1.2	49.9	810
DEC		2.0	37.8	.1	.2	.1	37.8	49.5	17.0		1.4	52.8	837
TOTALS		9.1	34.3	.1	.2	.1	34.3	41.5	21.0		3.4	50.3	9666

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.7		14.2	1.3					27.4	3.1	1.8			64.2
NNE	8.6	2.9	18.7	3.6				.7	29.5	.7	1.4			60.4
NE	11.3	1.6	21.0					1.6	35.5		1.6			54.8
ENE	12.5		12.5						20.8					70.8
E	5.9	7.8	7.8						29.4		5.9			58.8
ESE	1.9		3.8						13.2	1.9				84.9
SE		4.2							11.1	4.2	1.4			81.9
SSE	1.7	.9	2.6					.9	8.5	1.7				87.2
S			.8						6.3	2.4	.8			90.5
SSW			3.3						16.7					83.3
SW			10.0						20.0	10.0				70.0
WSW	12.5									12.5				75.0
W	4.3		4.3						8.7					91.3
WNW			22.2						16.7		5.6			72.2
NW	6.5	3.2	22.6						32.3	6.5				54.8
NNW	9.4	1.6	12.5						25.0	3.9	2.3			60.2
VARIABLE														
CALM	1.6	.8	6.6						22.1	11.5	.8			64.8
TOTAL	68	17	122	8				3	259	40	17			675
% TOTAL	5.5	1.4	9.8	.6				.2	20.9	3.2	1.4			70.6

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

12928 STATION KINGSVILLE, TEXAS JAN 73 - DEC 77 YEARS FEBRUARY MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.1		6.7		.6			.6	11.7	1.8	7.4			78.5
NNE	9.5		16.7						25.0	2.4	6.0			61.9
NE	26.1		10.9						37.0	10.9	10.9			39.1
ENE	12.5	2.5	10.0						22.5	12.5	12.5			52.5
E		2.4							4.8	16.7	9.5			69.0
ESE	1.4		1.4						8.7	4.3	1.4			85.5
SE	1.7	.9	.9						7.8	2.6	2.6			87.1
SSE			.6						4.9	3.1	5.6		.6	87.0
S			1.9						5.6	1.9	1.9			90.7
SSW									2.9	2.9	5.7			91.4
SW														100.0
WSW														100.0
W									4.2				4.2	91.7
WNW									4.0		8.0		4.0	84.0
NW	5.6		5.6						16.7	5.6	5.6			69.4
NNW	3.4	1.7	8.6		1.7	1.7			17.2	3.4	1.7		1.7	74.1
VARIABLE	1.1		2.3						12.8	1.9	2.4			66.7
CALM														
TOTAL	38	4	48		2	1		1	127	53	56		4	881
% TOTAL	3.4	.4	4.3		.2	.1		.1	11.3	4.7	5.0		.4	78.1

TOTAL NUMBER OF OBSERVATIONS 1,128

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

MARCH

ALL

HOURS (L.S.T.)

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.8	3.7	7.5					.9	15.9	.9	4.7			72.0
NNE	3.2		7.5						24.7		9.7			65.6
NE	5.4	2.7	8.1					5.4	13.5	8.1	2.7			64.9
ENE	6.4	6.4						4.3	10.6	2.1	10.6			61.7
E	2.1		7.4						24.5	3.2	4.3			64.9
ESE	1.2		3.0						13.2	3.0	4.8			79.0
SE	1.0	1.5	2.0						7.4	2.5	6.4			81.9
SSE		.6	4.3						5.6	1.9	5.6			83.2
S	1.0	1.0	1.9						7.8	1.9	6.8			79.6
SSW									19.0		9.5			71.4
SW	8.3								8.3	8.3	8.3			75.0
WSW									16.7					83.3
W		14.3						7.1						85.7
WNW		6.3						6.3	12.5		12.5			68.8
NW			6.3						3.1	9.4			3.1	84.4
NNW	1.8	3.6	5.4					1.8	12.5	1.8	5.4			76.8
VARIABLE														
CALM	1.6		7.8						18.8	10.9	3.1			64.1
TOTAL	21	18	53					8	156	35	71		1	935
% TOTAL	1.7	1.5	4.3					.6	12.6	2.8	5.7		.1	75.4

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

APRIL

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		6.3	3.6					2.7	11.7	1.8	.9			80.2
NNE	3.8	5.8						1.9	9.6	1.9	5.8			73.1
NE	5.3	2.6	7.9					2.6	13.2	2.6	13.2			68.4
ENE		2.1	6.4					2.1	10.6	4.3	6.4			76.6
E	1.5	4.4	2.9					2.2	9.5	6.6	4.4			73.7
ESE	.4	2.5	2.9					.4	4.9	2.9	7.0		.4	82.4
SE	1.7	1.2	2.1					.8	6.2	.4	13.6		.4	78.1
SSE			6.4						9.6	4.0	15.2			69.6
S		4.5							11.4	4.5	9.1		2.3	70.5
SSW									12.5	6.3	12.5			75.0
SW														100.0
WSW														100.0
W		14.3						14.3		28.6				57.1
WNW		7.7						7.7	15.4					76.9
NW									5.6					94.4
NNW		5.7	2.9						5.7	8.6	2.9			82.9
VARIABLE														
CALM		2.9	1.1						28.8	11.9				34.2
TOTAL	11	35	38					14	109	43	94		3	914
% TOTAL	.9	2.9	3.2					1.2	9.1	3.6	7.8		.3	76.2

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

MAY

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.8							8.8	7.0	12.3			75.4
NNE	3.7	9.3						3.7	9.7	11.1	14.8			64.8
NE		10.4						2.1	8.3	4.2	10.4			75.0
ENE	1.9	5.6							1.9	7.4	7.4			81.5
E		2.8							9.9	3.5	15.6			73.0
ESE	.4	2.8							1.8	2.1	14.2			81.2
SE		1.4	.5					.5	4.2	2.4	12.7			80.7
SSE	.8	1.6							1.6	2.3	6.3			89.1
S		2.5							2.5	6.3	13.9			77.2
SSW		7.7						7.7			7.7			84.6
SW		25.0						25.0						75.0
WSW		9.1						9.1						90.9
W										8.3				91.7
WNW		10.0						10.0						90.0
NW		7.7								15.4				76.9
NNW	2.9							2.9	2.9	2.9	5.9			82.4
VARIABLE														
CALM		1.1						1.1	18.6	18.2	6.5			61.3
TOTAL	6	39	1					10	57	60	139			974
% TOTAL	.5	3.1	.1					.8	4.6	4.8	11.2			78.5

1,240

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

JUNE

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		11.5								11.5	15.4			69.2
NNE	2.2	10.9						2.2		6.5	10.9			69.6
NE	10.0	13.3						3.3			10.0			63.3
ENE		10.5						2.6	2.6		7.9			78.9
E	2.1	7.6						2.8			6.2			80.7
ESE	.5	2.0						1.0	2.0	1.0	5.1			89.8
SE		1.5						.8	.4	1.9	6.5			90.4
SSE		1.6						.5	1.1	3.8	6.5			88.1
S		2.0						2.0		2.0	5.9			90.2
SSW		10.0									10.0			80.0
SW														100.0
WSW		16.7												63.3
W		12.5								12.5				75.0
WNW		14.3						14.3						85.7
NW		8.3								25.0	16.7			25.0
NNW		21.4						21.4	21.4	14.3				42.9
VARIABLE														
CALM	1.8													64.0
TOTAL	10	48						18	19	59	79			991
% TOTAL	.5	4.0						1.5	1.6	4.9	6.6			82.6

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

12920

KINGSVILLE, TEXAS

JAN 73 - DEC 77

JULY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.2	9.1								9.1				63.6
NNE		15.8								5.3	5.3			73.7
NE	15.4	7.7						7.7	7.7					76.9
ENE	15.8	5.3						5.3	10.5	5.3				73.7
E	2.4	4.7						1.2	3.5	7.1	3.5			80.0
ESE	.8	.4						.8	.4	2.1	6.4			89.8
SE		.3						.3	1.0	2.3	5.6			91.5
SSE	1.6	1.6	.4						.4	3.5	2.0			91.7
S	.7	2.8	.7					1.4		3.5	2.8			91.7
SSW														100.0
SW		16.7									16.7			66.7
WSW		25.0						25.0						75.0
W	50.0	25.0						25.0						25.0
WNW														
NW		25.0												75.0
NNW										28.6	14.3			71.4
VARIABLE														
CALM	1.8	1.8								32.5	3.3			63.2
TOTAL	20	26	2					10	11	74	53			1072
% TOTAL	1.6	2.1	.2					.8	.9	6.0	4.3			86.5

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

AUGUST

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		4.4						2.2	6.7	22.2	17.8			53.3
NNE		3.6						3.6		14.3	3.6			78.6
NE		3.3								6.7	20.0			76.7
ENE		2.0						2.0		10.0	14.0			76.0
E	1.8	1.8						3.3			2.7			91.2
ESE	1.3	1.7						8			3.8			92.5
SE	1.6	1.2						1.2	.4		.8			94.8
SSE		2.4						1.8		1.8	1.8			92.9
S		4.0						1.3		1.3	1.3			96.0
SSW		6.7									6.7			86.7
SW		11.1						11.1						88.9
WSW								22.2		11.1	22.2			100.0
W		22.2												33.3
WNW														100.0
NW	10.0							5.3	10.3	20.0	20.0			60.0
NNW		5.3								10.3	26.3			63.2
VARIABLE														
CALM	1.7	1.7						1.7	2.3	18.5	7.4			73.7
TOTAL	13	29						21	10	68	63			1072
% TOTAL	1.0	2.3						1.7	.8	5.5	5.1			86.3

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

SEPTEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.0	2.5						2.5	.8	7.4	4.1			81.8
NNE	7.1	2.9	1.4					4.3	2.9	14.3	17.1			61.4
NE		5.7							5.7	5.7	8.6			80.0
ENE		5.8						1.9	3.8		11.5			80.8
E	1.7	4.2						.8		.8	5.9			89.0
ESE	1.4	4.3						.7			2.9			91.3
SE		1.7						.9	.9	1.7	7.0			91.3
SSE		2.2						1.5	.7	3.0	11.2			85.8
S										1.3	1.3			97.5
SSW														100.0
SW		18.2						18.2			9.1			72.7
WSW	9.1								9.1	9.1				81.8
W	4.3								4.3					91.3
WNW	5.9									11.8	11.8			82.4
NW									2.6	5.3	2.6			92.1
NNW										7.6	7.6			87.9
VARIABLE														
CALM	1.2	3.7						2.5	4.3	17.3	3.7			72.2
TOTAL	20	34	1					18	19	67	76			1012
% TOTAL	1.7	2.8	.1					1.5	1.6	5.6	6.3			84.3

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

OCTOBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.2	4.6	1.5					.8	9.2	5.3	6.1			72.5
NNE	10.4	1.7	1.7						7.0	7.8	8.7			66.1
NE	9.4	5.7						1.9	5.7	5.7	7.5			71.7
ENE		4.7									4.7			90.7
E	.9	7.0						1.7	1.7	.9	3.5			87.8
ESE	.7	1.5						.7	.7	1.5	3.7			92.6
SE		2.0						.7	.7		5.4			91.9
SSE	.9	1.8									.9			97.2
S		5.8						11.1			3.8			90.4
SSW		11.1												77.8
SW														100.0
WSW														100.0
W											10.0			90.0
WNW														90.6
NW											3.0			87.9
NNW	12.5	3.1							9.4	4.7	1.6			73.4
VARIABLE														
CALM														
TOTAL	40	34	5					6	49	52	52			1036
% TOTAL	3.2	2.7	.4					.5	4.0	4.2	4.2			83.5

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

STATION NAME

JAN 73 - DEC 77

YEARS

NOVEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " " SHOWERS ICE " " CRYSTALS	SNOW GRAINS " " SLEETS " " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.7	2.4	2.4					.6	12.7	2.4	3.6			77.6
NNE	2.5	1.3	5.1						19.0	5.1	6.3			69.6
NE									5.4	5.4	10.8			81.1
ENE										3.3	16.7			80.0
E										4.5	4.5			93.2
ESE	1.2		1.2						3.6		4.8			91.6
SE	.7	.7							2.8	.7	4.9			91.6
SSE		1.6	.8						4.8	1.6	.8			91.2
S			1.0						8.2		2.0			90.8
SSW									25.0					75.0
SW	6.7										6.7			86.7
WSW			11.1						22.2					77.8
W	3.8		7.7						15.4	11.5	7.7			69.2
WNW	5.0		5.0						15.0					85.0
NW	14.8		5.6		1.9				24.1	1.9				66.7
NNW	7.6	.8	6.7		.8				15.1	3.4	5.0			72.3
VARIABLE														
CALM	1.4	.7	1.4					.7	12.1	17.0	1.4			68.1
TOTAL	37	10	28		2			2	119	48	47			970
% TOTAL	3.1	.8	2.3		.2			.2	9.9	4.0	3.9			80.8

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12929

KINGSVILLE, TEXAS

JAN 73 - DEC 77

DECEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2		6.5						11.7	1.4	1.9			79.4
NNE	2.1	1.0	2.1						7.2	2.1	2.1			85.6
NE	13.0		4.3						19.6		4.3			71.7
ENE	8.7		4.3						4.3	8.7	8.7			73.9
E	2.4		2.4						14.3					85.7
ESE	5.1		7.7						17.9					79.5
SE	3.1		4.2						11.5	4.2	2.1			82.3
SSE	1.0		2.1						4.1		1.0			94.8
S			.8						4.1	2.3				93.4
SSW									15.6	3.1	3.1			81.3
SW			5.9						17.6					82.4
WSW									10.3					89.5
W			15.8						10.3		10.5			73.7
WNW	4.9		7.3						22.0		2.4			75.6
NW	13.3		16.7						20.0	8.3	1.7			63.3
NNW	6.9	.8	11.5						16.9	6.9	.8			69.2
VARIABLE														
CALM	2.1		2.7						17.8	4.1	1.7			76.0
TOTAL	48	2	66						156	35	20			995
% TOTAL	3.9	.2	5.3						12.6	2.8	1.6			80.3

TOTAL NUMBER OF OBSERVATIONS

1,239

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

12928

KINGSVILLE, TEXAS

JAN 73 - DEC 77

ALL MONTH

ALL HOURS (L.S.T.)

STATION NAME

STATION

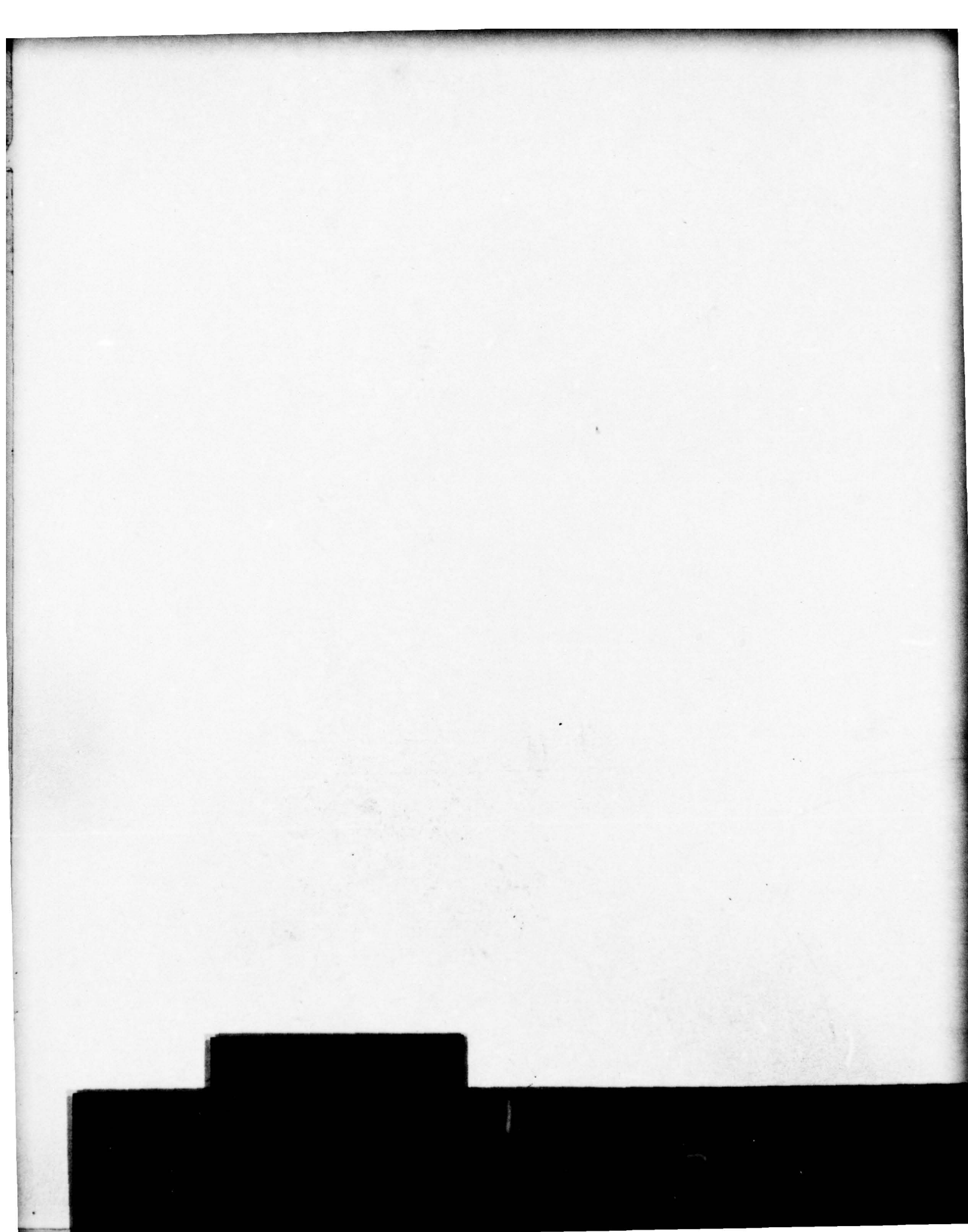
YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.1	2.3	5.4	.2	.1			.8	12.9	3.9	4.6			74.3
NNE	5.6	3.1	6.4	.6				1.0	14.2	4.9	7.2			67.9
NE	8.2	4.0	5.5					1.7	14.7	4.2	8.2			67.2
ENE	3.6	4.1	2.4					1.5	6.6	4.5	9.0			75.2
E	1.6	4.0	1.4					1.3	6.9	3.3	5.9			79.4
ESE	1.0	1.6	1.0					.4	3.6	1.7	6.0		.1	86.8
SE	.7	1.2	.7					.5	3.6	1.8	6.4		.0	87.3
SSE	.5	1.2	1.3					.4	3.1	2.4	4.7		.1	88.2
S	.2	1.5	.7					.4	3.7	2.3	3.6		.1	89.1
SSW		1.8	.5					.9	8.8	1.4	4.6			83.9
SW	1.7	4.3	1.7					3.5	5.2	1.7	3.5			84.3
WSW	1.7	2.6	.9					1.7	6.0	1.7				88.8
W	2.8	3.9	3.4					2.8	5.6	4.5	3.9		.6	79.3
WNW	2.0	2.0	4.5					2.0	10.4	2.0	4.0		.5	81.2
NW	6.2	1.2	7.0		.3				14.1	7.0	2.6		.3	72.1
NNW	5.8	2.1	6.6		.3	.1		.8	14.1	5.3	4.0		.1	71.8
VARIABLE														
CALM	1.2	1.1	1.7					.5	10.6	1.4	3.5			89.0
TOTAL	332	296	364	8	4	1		111	1091	634	767		8	11727
% TOTAL	2.3	2.0	2.5	.1	.0	.0		.8	7.5	4.3	5.3		.1	80.3

TOTAL NUMBER OF OBSERVATIONS 14,607



PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION
SNOWFALL*
SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

12928 KINGSVILLE, TEXAS

45-46, 51-77

STATION NAME

YEARS

STATION

5722 Daily Amounts Jan. 1969

	AMOUNTS (INCHES)														TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
	PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00		PERCENT OF DAYS WITH MEASUR- ABLE AMTS	MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	56.6	19.5	2.0	7.6	3.8	4.7	3.0	1.8	.6	.4				23.9	837	1.71	9.69	.02	
FEB	62.8	16.6	3.1	5.0	2.9	3.0	3.3	2.2	.8	.3				20.6	763	1.62	4.14	TRACE	
MAR	62.9	22.5	2.6	5.2	2.0	1.7	1.6	.8	.6	.1				14.6	868	.86	4.59	TRACE	
APR	65.9	18.3	1.5	4.8	2.5	2.5	1.4	1.9	1.2		.1			15.8	810	1.50	8.22	TRACE	
MAY	66.9	15.2	1.9	2.2	2.0	3.2	3.2	3.0	2.0	.4				17.9	837	2.58	11.35	.17	
JUN	69.5	9.5	1.1	4.7	1.6	4.9	2.8	2.6	2.5	.7				21.0	810	3.05	12.43	.02	
JUL	75.9	8.9	1.4	3.3	1.7	2.7	1.9	1.7	2.1	.2				15.1	806	2.13	12.00	TRACE	
AUG	70.6	9.6	1.1	2.9	2.9	3.8	3.9	2.4	2.5	.4				19.8	837	2.72	10.94	TRACE	
SEP	59.5	10.2	1.8	5.6	3.1	6.3	4.5	5.6	2.5	.5	.4			30.2	840	4.47	19.35	.86	
OCT	69.4	10.8	1.3	4.1	2.1	3.3	2.8	3.1	2.4	.6	.1			19.8	868	3.17	10.63	TRACE	
NOV	67.0	15.9	2.0	4.1	2.7	3.0	2.7	2.0	.6					17.0	810	1.26	5.04	TRACE	
DEC	62.6	18.3	2.8	6.1	2.5	3.2	2.6	1.4	.3	.1				19.1	868	1.13	6.70	.02	
ANNUAL	65.8	14.6	1.9	4.6	2.5	3.5	2.8	2.4	1.5	.3	.0			19.6	9954	26.20			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS 45-46, 51-77 YEARS

1 5722 Daily Amounts J 1969

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
												10.01-20.00	OVER 50.4						
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	99.2	.6	.1		.1									12	837	.1	2.3	.0	
FEB	99.5	.3	.1		.1									13	763	.1	2.2	.0	
MAR	100.0														868	.0	.0	.0	
APR	100.0														780	.0	.0	.0	
MAY	100.0														837	.0	.0	.0	
JUN	100.0														780	.0	.0	.0	
JUL	100.0														806	.0	.0	.0	
AUG	100.0														837	.0	.0	.0	
SEP	100.0														780	.0	.0	.0	
OCT	100.0														868	.0	.0	.0	
NOV	99.7	.3													780	TRACE	TRACE	.0	
DEC	99.8	.2													837	TRACE	TRACE	.0	
ANNUAL	99.8	.1	.0		.0									10	9773	.2			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS 51-77 YEARS

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	100.0														806				
FEB	99.9	.1													707				
MAR	100.0														806				
APR	100.0														750				
MAY	100.0														806				
JUN	100.0														750				
JUL	100.0														744				
AUG	100.0														837				
SEP	100.0														780				
OCT	100.0														837				
NOV	100.0														750				
DEC	100.0														806				
ANNUAL	100.0	.0													9379				

5722 Daily Amounts Jan. 1969

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

12928 KINGSVILLE, TEXAS

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	1.80	.40	1.85	1.71	.10		.64		.55	3.00	TRACE	.30	
46	.06	.23	.03	.26	.73	.15		TRACE	5.84	2.45	.36	.02	
51	.43	.63	.47	.15	.42	.02	1.02	TRACE	.71	TRACE	.46	.30	1.02
53	.37	TRACE	.64	.99	1.15	2.33	.42	3.17	1.10	1.14	.16	.44	3.17
54	.36	3.01	.06	.20	.84	.33	.24	.65	.98	1.60		.10	
55	.87	.11	1.21	1.33	2.29	.45	1.38	.59	3.56	.82	.68	.26	3.56
56	.10	.75	.89	.95	3.05	1.90	.60	.12	.68	1.36	.40	.30	2.29
57	3.03	1.66	.14	.13	1.58	1.35	TRACE	.87	1.74	1.53	1.45	.71	3.05
58	.31	.99	TRACE	.71	1.06	1.07		1.16	1.42	2.75	.39	.81	
59	.61	.80	.59	.39	.50	.85	1.00	1.20	.32	.80	.65	.73	1.20
60	.48	1.52	.01	1.05	.34	2.29	.85	1.22	.30	2.60	.49	3.47	3.47
61	.56	.04	.45	1.91	.13	1.62	1.59	1.51	1.07	.08	.36	.40	2.29
62	.10	.50	.04	.39	.53	.62	1.37	.75	.72	.19	.44	1.18	1.91
63	.29	.73	.19	.09	.68	.88	.41	.09	1.35	.54	1.62	.24	1.62
64	.56	1.77	1.11	.21	1.59	1.67	1.98	.50	.52	.17	.03	.56	1.98
65	.72	.35	.39	1.25	2.86	2.88	1.69	1.42	.95	1.76	.30	.67	1.87
66	1.38	.93	.03	.20	1.21	.05	.10	3.61	.71	.61	.05	.41	3.61
67	.36	.69	.48	.51	2.72	1.00	.61	1.25	6.65	1.20	.10	1.06	6.85
68	.22	1.12	.12	.53	1.23	.39	1.78	.80	.46	2.38	.78	.08	2.72
69	.64	.55	.68	.14	1.59	3.31	.14	1.94	3.67	.65	1.62	.39	3.67
70	.02	.05	TRACE	1.32	.53	2.88	.62	2.58	.77	2.38	.43	.02	3.31
71	.76	3.34	.93	1.09	.93	1.99	.13	1.62	2.10	1.13	.11	2.27	2.88
72	1.34	.96	.03	.84	.51	3.50	2.04	1.17	1.33	.47	.53	.06	3.34
73	.51	TRACE	2.65	TRACE	.77	.63	.73	2.03	5.43	6.04	.06	.03	6.04
74	1.64	.31	.03	.11	1.06	1.25	.24	.37	1.66	.52	1.18	.27	2.65
75	.63	.08	.52	3.42	.98	1.01	2.37	1.79	1.04	1.54	.51	.59	2.37
76	.46	.50	.27	.89	1.31	1.16	3.98	.76	1.00	3.28	.99	.46	5.42
77							.33	.45	.62	1.20	1.92	.02	1.92
MEAN	.69	.82	.53	.84	1.14	1.33	1.01	1.18	1.69	1.51	.60	.58	3.01
S. D.	.656	.840	.623	1.038	.798	1.015	.912	.911	1.746	1.291	.533	.735	1.428
TOTAL OBS.	837	763	868	810	837	810	806	837	840	868	810	868	9954

NAVWEASERVCOM

5723 Extreme Values Jan 1969

188203

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
12928	KINGSVILLE, TEXAS	45-46, 51-77

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS 43-46, 31-77 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
61	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
67	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	TRACE	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.09	.07	.00	.00	.00	.00	.00	.00	.00	.00	TRACE	TRACE	.20
S. D.	.442	.266	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.634
TOTAL OBS.	837	763	868	780	637	750	806	637	780	868	750	837	9773

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
12928	KINGSVILLE, TEXAS

43-46, 51-77

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

5723 Extreme Values Jan 1969

[illegible]

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS 45, 51-77 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S. D.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL OBS.	806	707	806	750	806	750	744	837	780	837	750	806	9379

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5723 Extreme Values Jan 1969

KINGSVILLE, TEXAS **STATION NAME**

45, 52-77

YEARS

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

12928

KINGSVILLE, TX.

STATION

STATION NAME

JANUARY
MONTH

1946-1946 1952-1977

YEARS

FEBRUARY
MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1977			
2	0.42	11	1977			
3	0.39	10	1966			
4	3.03	77	1958			
5	2.73	69	1958			
6	0.31	8	1959			
7	0.13	3	1961			
8	0.34	9	1963			
9	1.38	35	1967	2.3	58	1967
10	1.80	46	1946			
11	0.31	8	1958	Y	Y	1973
12	1.00	25	1946			
13	1.35	34	1967	Y	Y	1963
14	0.24	6	1976			
15	0.29	7	1964			
16	0.43	11	1953			
17	0.87	22	1956			
18	0.36	9	1968			
19	0.25	6	1968			
20	0.28	7	1968	0.1	3	1961
21	0.80	20	1946	Y	Y	1966*
22	1.64	42	1975			
23	2.95	75	1958			
24	0.55	14	1973			
25	0.51	13	1974			
26	0.11	3	1974			
27	0.10	3	1957			
28	0.10	3	1946			
29	0.05	1	1964			
30	0.76	19	1972			
31	0.54	14	1972			
Monthly	3.03	77	1958	2.3	58	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.99	25	1959			
2	0.30	8	1959			
3	0.31	8	1973			
4	1.77	45	1963			
5	3.01	76	1953			
6	0.93	24	1967			
7	0.05	1	1946			
8	0.44	11	1973	1.9	48	1973
9	0.22	6	1977	0.3	8	1973
10	0.69	18	1968			
11	0.86	22	1959			
12	0.75	19	1960	Y	Y	1960*
13	1.12	28	1969			
14	0.36	9	1969			
15	0.25	6	1966			
16	1.11	28	1961			
17	0.96	24	1973			
18	0.50	13	1963			
19	0.25	6	1969			
20	1.66	42	1958			
21	1.21	31	1958			
22	0.49	12	1957			
23	0.80	20	1960			
24	0.16	4	1964			
25	0.05	1	1953			
26	0.72	18	1959			
27	0.35	9	1969			
28	0.20	5	1967			
29	3.34	85	1972			
30						
31						
Monthly	3.34	85	1972	1.9	48	1973

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

12928 STATION

KINGSVILLE, TX.

STATION NAME

MARCH
MONTH

DAILY EXTREME AMOUNTS

1945-1946 1952-1977
YEARS

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.09	2	1958			
2	0.13	3	1954			
3	0.89	23	1957			
4	0.18	5	1968			
5	0.64	16	1954			
6	0.68	17	1970			
7	0.06	2	1953			
8	0.10	3	1966			
9	0.02	1	1952			
10	0.33	8	1970			
11	0.78	20	1957			
12	1.08	27	1946			
13	1.10	28	1974			
14	2.63	67	1974			
15	0.47	12	1953			
16	0.19	5	1972			
17	0.01		1975			
18	0.19	5	1964			
19	0.17	4	1964			
20	0.16	4	1957			
21	1.21	31	1956			
22	0.52	13	1976			
23	0.08	2	1976*			
24	0.15	4	1977			
25	0.18	5	1974			
26	0.29	7	1974			
27	0.13	3	1977			
28	0.39	10	1966			
29	0.09	1	1976			
30	1.11	28	1963			
31	1.83	47	1945			
Monthly	2.63	67	1974			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1945			
2	0.07	2	1960			
3	0.04	1	1971			
4	5.42	138	1976			
5	0.33	8	1961			
6	0.84	21	1973			
7	0.07	2	1976			
8	1.25	32	1966			
9	0.76	19	1954			
10	0.08	2	1970			
11	0.71	18	1959			
12	0.15	4	1969			
13	0.91	23	1976			
14	0.99	25	1954			
15	0.60	15	1954			
16	0.80	20	1977			
17	0.39	10	1960			
18	0.18	5	1976			
19	0.26	7	1952			
20	1.34	34	1945			
21	1.71	43	1945			
22	0.13	3	1952			
23	1.91	49	1962			
24	1	1	1976*			
25	1.19	30	1966			
26	0.20	5	1967			
27	1.09	28	1972			
28	0.82	21	1957			
29	1.33	34	1976			
30	0.89	23	1977			
31						
Monthly	5.42	138	1976			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

12928

KINGSVILLE, TX.

STATION

STATION NAME

MAY

MONTH

JUNE

MONTH

1945-1946 1952-1977

YEARS

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.96	24	1966			
2	2.29	58	1956			
3	0.78	20	1966			
4	2.13	55	1966			
5	1.49	38	1966			
6	0.50	13	1963			
7	2.72	69	1968			
8	0.53	13	1968			
9	1.31	33	1977			
10	0.77	20	1974			
11	0.82	21	1968			
12	0.51	13	1973			
13	0.65	17	1976			
14	1.21	31	1967			
15	1.59	40	1970			
16	1.23	31	1969			
17	1.58	40	1958			
18	1.59	40	1965			
19	2.34	59	1966			
20	0.41	10	1964			
21	0.97	25	1959			
22	0.48	12	1970			
23	0.60	15	1970			
24	1.06	27	1975*			
25	1.15	29	1954			
26	0.98	25	1976			
27	0.22	6	1954			
28	1.09	28	1957			
29	2.86	73	1966			
30	0.15	4	1970			
31	3.05	77	1957			
Monthly	3.05	77	1957			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.90	48	1957			
2	0.47	12	1962			
3	0.09	2	1972			
4	0.73	19	1968			
5	1.87	47	1965			
6	0.64	16	1959			
7	0.15	4	1973*			
8	0.79	20	1972			
9	2.29	58	1961			
10	1.25	32	1975			
11	1.40	36	1961			
12	0.73	19	1973			
13	2.95	75	1973			
14	0.53	13	1959			
15	0.41	10	1972			
16	1.90	48	1972			
17	1.99	51	1972			
18	2.88	73	1966			
19	1.33	34	1965			
20	1.31	33	1957			
21	1.16	29	1977			
22	1.35	34	1958			
23	1.14	29	1977			
24	3.49	89	1973			
25	3.50	89	1973			
26	0.61	15	1971			
27	2.88	73	1971			
28	0.15	4	1958			
29	0.85	22	1975			
30	0.27	7	1963			
31						
Monthly	3.50	89	1973			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

12928 KINGSVILLE, TX. 1945-1946 1951-1977

STATION STATION NAME YEARS

JULY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.37	35	1962			
2	0.64	16	1943			
3	0.73	19	1973			
4	0.10	3	1968			
5	0.54	14	1968			
6	0.26	7	1976			
7	0.53	14	1973			
8	3.14	80	1976			
9	2.06	52	1976			
10	1.91	49	1976			
11	1.78	45	1968			
12	0.11	3	1974			
13	1.23	31	1975			
14	3.98	101	1976			
15	2.37	60	1975			
16	0.19	5	1975			
17	1.25	32	1972			
18	1.02	26	1952			
19	1.98	50	1964			
20	0.83	22	1960			
21	2.04	52	1972			
22	1.26	32	1972			
23	1.69	43	1963			
24	1.04	26	1972			
25	1.00	25	1959			
26	0.17	4	1956			
27	0.53	13	1961			
28	0.48	12	1961			
29	0.24	6	1954			
30	0.09	2	1954			
31	0.20	5	1959			
Monthly	3.98	101	1976			

AUGUST MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.15	4	1959			
2	1.62	41	1971			
3	2.58	66	1970			
4	1.42	36	1963			
5	0.72	18	1971			
6	1.49	38	1971			
7	0.29	7	1973			
8	1.68	43	1966			
9	0.87	22	1957			
10	0.39	10	1971			
11	1.23	32	1960			
12	0.69	18	1960			
13	0.75	19	1960			
14	0.77	20	1960			
15	1.51	38	1961			
16	1.39	35	1973			
17	0.80	20	1968			
18	0.79	20	1967			
19	1.07	27	1967			
20	0.84	21	1953			
21	1.34	34	1953			
22	1.23	32	1967			
23	0.78	20	1976			
24	0.39	10	1953			
25	1.20	30	1959			
26	1.51	38	1953			
27	3.61	92	1966			
28	3.17	81	1953			
29	1.94	49	1969			
30	0.43	11	1973			
31	1.79	45	1973			
Monthly	3.61	92	1966			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

12928
STATION

KINGSVILLE, TX.
STATION NAME

1945-1946 1951-1977
YEARS

SEPTEMBER
MONTH

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.04	26	1975			
2	0.97	25	1967			
3	1.30	33	1967			
4	1.10	28	1953			
5	1.20	30	1951			
6	3.56	90	1955			
7	1.76	45	1955			
8	1.42	36	1958			
9	1.06	27	1973			
10	3.67	93	1969			
11	2.10	53	1971			
12	0.97	25	1971			
13	5.84	148	1951			
14	5.43	138	1973			
15	0.85	22	1951			
16	0.53	13	1967			
17	1.00	25	1976			
18	2.02	51	1971			
19	1.13	29	1967			
20	6.85	174	1967			
21	2.37	60	1967			
22	4.53	115	1967			
23	0.75	19	1951			
24	1.33	34	1972			
25	0.95	24	1965			
26	0.68	17	1956			
27	2.42	61	1973			
28	0.33	8	1971			
29	0.44	11	1971			
30	0.60	15	1965			
31						
Monthly	6.85	174	1967			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.39	10	1965			
2	0.55	14	1965			
3	0.98	25	1977			
4	3.00	76	1945			
5	3.13	80	1976			
6	0.69	18	1954			
7	1.20	30	1967			
8	1.13	29	1971			
9	1.53	39	1957			
10	0.71	18	1958			
11	6.04	153	1973			
12	1.72	44	1973			
13	0.67	17	1973			
14	0.67	17	1958			
15	2.78	71	1958			
16	1.54	39	1960			
17	1.50	38	1960			
18	1.76	45	1965			
19	0.61	15	1965			
20	0.19	5	1956			
21	0.08	2	1962			
22	1.60	41	1954			
23	2.43	62	1951			
24	2.60	66	1960			
25	1.54	39	1975			
26	0.91	23	1975			
27	3.28	83	1976			
28	1.43	36	1976			
29	1.43	36	1975			
30	0.40	10	1969			
31	0.04	1	1977			
Monthly	6.04	153	1973			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
12928

STATION NAME
KINGSVILLE, TX.

MONTH
NOVEMBER

DAILY EXTREME AMOUNTS

YEARS
1945-1946 1951-1977

MONTH
DECEMBER

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.92	49	1977			
2	0.63	16	1970			
3	0.51	13	1975			
4	0.40	10	1956			
5	0.36	9	1961			
6	0.44	11	1962			
7	0.14	4	1955			
8	0.56	14	1955			
9	0.15	4	1952			
10	0.73	19	1957			
11	1.45	37	1957			
12	0.31	8	1976			
13	0.19	5	1961			
14	0.09	2	1959			
15	0.19	5	1956			
16	0.31	8	1976			
17	0.97	25	1976			
18	0.95	24	1976			
19	0.69	18	1976			
20	0.20	5	1975			
21	0.62	16	1957			
22	0.36	9	1960			
23	0.53	13	1972			
24	1.18	30	1974			
25	1.62	41	1969			
26	0.59	15	1969			
27	1.62	41	1963			
28	0.99	25	1976			1976
29	0.09	2	1952			1976
30	0.78	20	1968			
31						
Monthly	1.92	49	1977			1976

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1955			
2	0.67	17	1965			
3	0.31	8	1965			
4	0.37	9	1971			
5	0.39	10	1969			
6	0.35	9	1967			
7	1.06	27	1967			
8	0.56	14	1964			
9	0.31	8	1964			
10	0.48	12	1964			
11	0.14	4	1953			
12	2.27	58	1971			
13	0.33	8	1976			
14	0.52	13	1960			
15	0.59	15	1975			
16	0.41	10	1966			
17	0.30	8	1965			
18	0.30	8	1956			1964
19	0.18	5	1975			
20	0.08	2	1963			
21	0.08	2	1968			
22	0.04	1	1976			
23	1.18	30	1962			
24	0.28	7	1975			
25	0.55	14	1958			
26			1974*			
27	0.26	7	1952			
28	3.47	88	1960			
29	0.32	8	1969			
30	0.81	21	1958			1969
31	0.73	19	1959			
Monthly	3.47	88	1960			1969*

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NWSD, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: **INSTRUMENT CLASS**: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS (FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS 45 51-56 58-77 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
51	SE 46NW 53N	69SE 45NW 55SE	46E 43SE 38E	37N 38NNE 52NNW 45									N 69
52	NW 50NW 41NNW 48NNE	40SE 44SE 39SE	42NE 46NW 34NNE 36SSW 46										NW 50
53	S 41NNE 47NE 45SE	42N 49SE 44											NW 35
54	W 43	NNE 41	ESE 36NNW 37ESE 32E	20NE 36N 54NNW 40NNW 30									
55	NNE 36NNE 38NNW 60SE	38NE 31SE 36SE 40											
56													
57													
58													
59	SSE 30NW 43SE 35N	NNE 46											
60	N 35NNW 40S 51S	56N 46ESE 35ENE 34SE	N 37	N 37NNE 37S 42									N 56
61	NNE 31SE 26NNE 32N	36SE 42NW 38SE 32											
62	NNW 31N 31SE 30SE 25SE	25SE 25SE 27W 31SW 29SE 24ENE 32N 26											N 36
63	N 28N 30NW 36SE	27SE 25SE 32E 26SE	21NE 23SE 21NW 28S 26										NNW 31
64	N 30NW 39NW 29NE	31ESE 35SE 35SE	28SE 30NW 28SW 23N 31										NW 36
65	S 33S 30NE 34SE	35N 46E 38SE 27SE	30N 41N 36N 30										NW 39
66	S 34N 39N 34NW 36NNE	33SE 32SE 30SE 29S 34SE 32SE 29N 34N 30											ESE 79
67	N 31SE 33NW 37SE	33E 39SE 33S 33E 30S 30SE 31N 35N 36											SW 50
68	N 33N 31SE 31N	36SE 34NE 56SE 28WSW 47SE 34N 36NNE 41NNE 31											NE 56
69	SSE 36B4 4235	3914 3434 5014 3311 3616 3533 5715 3033 3618 41											33 57
70	01 3405 6201	4415 4134 3915 2717 3615 3013 3116 2920 3433 33											05 62
71	20 3936 3134	3618 3933 3806 3917 3612 3733 35											29 42
72	15 3129 4234	4236 3314 3731 3013 2812 2715 2833 2936 3117 26											18 42
73	34 3333 3433	3701 3114 3934 3118 4215 2434 2315 2517 3332 31											35 49
74	01 3935 2916	2935 4930 4108 2918 3004 2414 2435 2635 2733 25											
75	36 2418 3529	2915 2913 2816 33											
76													
77													
MEAN	34.8	37.7	39.6	38.0	39.2	35.2	33.6	31.6	36.4	32.3	34.3	33.3	50.0
S. D.	5.977	8.503	9.934	8.139	7.998	6.809	5.619	6.321	13.228	7.223	6.069	6.722	12.874
TOTAL OBS.	709	621	742	659	713	683	679	679	629	682	629	738	8163

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS

45, 51-56, 58-77 YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/.

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			0	0	0		0	0	E 18 1	0	0	0	WINDS DAYS
46	0	0	0										WINDS DAYS
51						0		0	0	0	N 49 24	0	WINDS DAYS
54							SE 36 14	0	0	0	0		WINDS DAYS
55	N 37 22			ESE 33 25									WINDS DAYS
56								0	0	0	0	0	WINDS DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
58	0	0	0	0	0	0							WINDS DAYS
59	NNE 31 19	NNE 27 16		NNW 36 22	0	0	SSW 28 2		SE 31 24				WINDS DAYS
61								ENE 37 25	NNW 68 23				WINDS DAYS
69										N 39 26			WINDS DAYS
73										32 37 27 18			WINDS DAYS
77							12 24 9						WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER
CLASS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	4.5	6.5	1.9		.6						18.1	7.0
NNE	1.9	1.9	2.6	1.9								8.4	7.5
NE	.6		3.2									3.9	7.3
ENE	.6	1.3										1.9	4.0
E	3.2	.6	1.3									5.2	4.0
ESE	1.3	1.9										3.2	3.2
SE		1.3	1.9									3.2	8.0
SSE	3.9	1.9	3.9	.6								10.3	5.9
S	4.5	3.2	2.6	1.3								11.6	5.6
SSW	.6	3.2										3.9	4.3
SW		.6										.6	6.0
WSW	.6	.6										1.3	3.0
W	1.3		.6									1.9	3.7
WNW													
NW		1.3	.6	.6								2.6	7.0
NNW	1.9	.6	3.2	1.3								7.1	7.5
VARBL													
CALM												16.8	
	25.2	23.2	26.5	7.7		.6						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928 STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	7.7	3.9	.6							18.1	8.7
NNE	1.3	4.5	3.2	1.3								10.3	6.6
NE		.6	3.9									4.5	8.6
ENE	1.3											1.3	2.0
E													
ESE	.6	.6	1.3									2.6	5.8
SE	.6	1.3	.6									2.6	4.8
SSE	3.2	1.3	3.2									7.7	5.3
S	1.3	4.5	2.6	1.9								10.3	6.9
SSW	.6	.6	.6									1.9	5.0
SW													
WSW	.6	.6										1.3	3.5
W	4.5		.6									5.2	2.8
WNW	.6	.6	.6									1.9	5.3
NW	.6	1.3	.6	.6								3.2	7.4
NNW	4.5	3.9	3.2	.6								12.3	5.2
VARB													
CALM												16.8	
	22.6	23.2	26.4	7.7	1.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	7.7	7.7	3.9								24.5	7.1
NNE	1.9	1.9	3.9	1.9								9.7	7.8
NE	.6	.6	1.3	.6								3.2	7.4
ENE				.6								.6	15.0
E	1.3											1.3	2.0
ESE		1.3										1.3	6.0
SE	1.9		.6									2.6	3.8
SSE	1.3	4.5		1.9								7.7	6.2
S	1.3	1.9	3.9	1.9								9.0	7.5
SSW		.6										.6	4.0
SW	1.3	1.3										2.6	3.0
WSW													
W	2.6		.6									3.2	3.4
WNW		.6	.6									1.3	7.0
NW	1.3	1.3	.6									3.2	4.6
NNW	6.5	2.6	3.9	3.9								16.8	6.7
VARBL													
CALM												12.3	
	25.2	24.5	23.2	14.8								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928

KINGSVILLE, TEXAS

73-77

JAN

YEARS

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	5.2	11.6	3.2	.6							23.2	7.9
NNE	1.9	2.6	6.5	1.9								12.9	7.3
NE	1.3	1.3	1.3	2.6								6.5	7.8
ENE	.6	.6	.6									1.9	5.3
E	.6	.6	.6									1.9	4.3
ESE	.6	.6										1.3	3.5
SE			1.3	.6								1.9	9.0
SSE	1.3	1.9	3.2	.6								7.1	7.0
S	.6	1.3	3.2	3.2								8.4	9.6
SSW	1.3	1.9	.6									3.9	5.0
SW													
WSW	1.3	.6										1.9	3.3
W	.6											.6	3.0
WNW		1.9	.6									2.6	6.8
NW	.6	1.3	1.3									3.2	5.4
NNW	3.2	1.9	3.9	1.9		.6						11.6	7.8
VARBL													
CALM												11.0	
	16.8	21.9	34.8	14.2	.6	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		5.6	6.5	3.9	1.3							17.4	9.2
NNE		3.2	6.5	2.6	.6							12.9	8.8
NE	1.3	2.6	2.6									6.5	6.2
ENE		.6	.6	.6								1.9	9.3
E	1.3	1.3	.6									3.2	4.0
ESE	.6	.6										1.3	3.5
SE	1.3	.6		1.3								3.2	7.4
SSE	1.9	1.3	2.6	2.6								8.4	8.4
S		1.3	3.2	6.5	1.9	.6						13.5	13.4
SSW	.6	.6	.6	2.6								4.5	9.7
SW	.6	.6	.6									1.9	5.7
WSW													
W	.6	.6										1.3	3.5
WNW		1.3		.6		.6						2.6	11.8
NW			.6	1.3								1.9	12.3
NNW	1.3	3.2	3.9	3.9	.6	.6						13.5	9.7
VARBL													
CALM												5.8	
	9.7	23.9	28.4	25.8	4.5	1.9						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	3.9	5.2	3.9	1.9							15.5	10.1
NNE	.6	2.6	5.8	3.9								12.9	8.9
NE		1.3	1.3	1.9								4.5	9.4
ENE		.6	2.6									3.2	7.6
E	.6	1.9	1.9									4.5	6.6
ESE	.6	.6	.6	.6	.6							3.2	9.8
SE	1.9		3.9	2.6								8.4	8.9
SSE	1.3	1.3	2.6	2.6	1.3							9.0	10.4
S		2.6	3.9	5.2	.6	.6						12.9	11.6
SSW	.6	.6	.6	1.3								3.2	7.6
SW		.6										.6	4.0
WSW	.6											.6	3.0
W		.6		.6								1.3	10.0
WNW	.6	1.3										1.9	4.7
NW	.6	1.3		1.3								3.2	6.8
NNW	1.3	2.6	1.9	4.5	.6	.6						11.6	9.8
VARBL													
CALM												3.2	
	9.7	21.9	30.3	28.4	5.2	1.3						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	5.8	5.8								14.8	9.3
NNE	1.3	1.9	3.9	3.2								10.3	8.3
NE	1.9	.6	1.9	1.3								5.8	6.8
ENE	.6	2.6										3.2	4.4
E	2.6	4.5	3.2									10.3	5.3
ESE	1.3	3.9	5.2									10.3	6.1
SE		2.6	5.8	3.9								12.3	8.9
SSE		4.5	5.2	4.5	1.3							15.5	9.8
S	.6	1.3	.6	.6	.6							3.9	9.2
SSW													
SW													
WSW													
W	.6	.6										1.3	4.5
WNW	.6											.6	2.0
NW		.6	.6									1.3	6.0
NNW	.6	1.3	1.9	1.9								5.8	8.2
VARBL													
CALM												4.5	
	11.6	26.5	34.2	21.3	1.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.2	5.6	3.2								14.2	8.0
NNE	2.6	1.9	4.5	3.2								12.3	7.5
NE	.6	3.2	.6	.6								5.2	6.6
ENE	1.3											1.3	2.5
E	3.2	1.4	1.9									6.5	4.6
ESE	6.5	3.2		1.3								11.0	4.2
SE	3.2	5.2	3.2	.6								12.3	5.3
SSE	1.3	4.5	1.9	1.9								9.7	7.2
S	3.2	7.7	.6									11.6	4.4
SSW	.6	.6										1.3	4.0
SW	.6											.6	2.0
WSW													
W													
WNW					.6							.6	18.0
NW		.6	.6									1.3	5.5
NNW	.6	1.3	1.3	.6								3.9	6.3
VARBL													
CALM												8.4	
	25.8	32.9	20.6	11.6	.6							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
MOORE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.4	7.1	3.7	.6	.1						18.2	8.3
NNE	1.5	2.6	4.6	2.5	.1							11.2	7.9
NE	.8	1.3	2.0	.9								5.0	7.4
ENE	.6	.7	.5	.2								1.9	5.8
E	1.6	1.3	1.2									4.1	4.8
ESE	1.5	1.6	.9	.2	.1							4.3	5.4
SE	1.1	1.4	2.2	1.1								5.8	7.3
SSE	1.8	2.7	2.8	1.9	.3							9.4	7.7
S	1.5	3.0	2.6	2.6	.4	.2						10.2	8.7
SSW	.6	1.0	.3	.5								2.4	6.3
SW	.3	.4	.1									.8	4.1
WSW	.4	.2										.6	3.3
W	1.3	.2	.2	.1								1.9	3.9
WNW	.2	.7	.2	.1	.1	.1						1.5	7.7
NW	.4	1.0	.6	.4	.1							2.5	6.7
NNW	2.5	2.2	2.9	2.3	.2	.2						10.3	7.7
VARBL												9.8	
CALM													
	18.3	24.8	28.3	16.5	1.8	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER

CLAS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	5.0	2.8									10.6	5.2
NNE	2.1	3.5	3.5	.7								9.9	6.3
NE		1.4	.7									2.1	6.3
ENE	1.4			.7								2.1	6.0
E	2.8											2.8	2.3
ESE	2.8											2.8	2.5
SE	2.1	6.4	3.5									12.1	5.2
SSE	.7	5.0	3.5	2.8								12.1	7.9
S	3.5	4.3	5.7	1.4								14.9	6.0
SSW	.7	1.4										2.1	4.0
SW	1.4	.7	.7									2.8	4.0
WSW	2.8	.7										3.5	2.4
W		.7										.7	4.0
WNW													
NW	.7	1.4	.7									2.8	6.0
NNW	1.4	.7	.7	2.1								5.0	8.1
VARBL													
CALM												13.5	
	25.5	31.2	22.0	7.8								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	7.1	5.0	.7								14.2	6.4
NNE	1.4		4.3	.7								6.4	7.2
NE	.7	2.1	.7	.7								4.3	6.8
ENE	2.1	.7	.7									3.5	4.0
E	2.1											2.1	2.0
ESE	1.4	.7	.7									2.8	4.0
SE	.7	2.8	1.4									5.0	5.9
SSE	3.5	4.3	6.4	.7								14.9	6.2
S	1.4	2.8	2.8	.7								7.8	6.3
SSW	.7	.7										.7	4.0
SW	.7	.7										1.4	3.5
WSW	3.5											3.5	2.0
W	1.4	2.1	.7									4.3	4.2
WNW	1.4	1.4										2.8	3.5
NW	2.1	1.4	.7	.7								5.0	6.6
NNW	1.4	.7		.7								2.8	6.3
VARBL													
CALM												18.4	
	25.5	27.7	23.4	4.3	.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	8.5	4.3	2.1								15.6	7.2
NNE	1.4	2.1	2.8	1.4								7.8	7.5
NE	2.1	.7	2.1	.7								5.7	6.9
ENE	.7	.7	.7									2.1	5.0
E	2.8	.7										3.5	3.0
ESE	2.8	.7	.7									4.3	3.5
SE	3.5	.7	2.1									6.4	5.2
SSE	1.4	3.5	.7	.7								6.4	5.4
S	1.4	2.8	2.8									7.1	5.0
SSW	1.4	2.1										3.5	4.0
SW		.7										.7	6.0
WSW	3.5											3.5	1.8
W	2.1	2.1	.7									5.0	4.4
WRW	2.8	.7										3.5	2.8
NW	1.4	1.4	.7	.7	.7							5.0	8.4
NNW	2.8	2.1	2.1		.7							7.8	6.1
VARBL													
CALM												12.1	
	31.2	29.8	19.9	5.7	1.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.3	4.3	5.7	.7							17.7	8.8
NNE	.7	.7	7.1	1.4	.7							10.6	8.9
NE	.7	.7	2.1	2.1								5.7	8.9
ENE	.7	1.4	.7									2.8	5.0
E	.7	2.1	.7									2.8	5.5
ESE	.7	2.1	.7									3.5	5.2
SE	.7	2.1	1.4	.7	.7							5.7	8.6
SSE	1.4	3.5	1.4	4.3	.7							11.3	8.4
S	1.4	4.3	7.1	1.4								14.2	7.5
SSW	.7	1.4	.7									2.8	5.3
SW	.7		.7									1.4	4.5
WSW	.7		.7									1.4	3.0
W	.7	.7										2.1	13.3
WNW	.7		.7	.7	.7							2.8	10.3
NW	.7		1.4		.7							7.8	9.5
NNW	.7	1.4	2.1	2.8	.7							7.1	
VARBL													
CALM													
	12.8	24.8	31.2	19.1	5.0							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	4.3	5.7	1.4							15.6	9.6
NNE		2.1	1.4	3.5								7.1	9.9
NE	.7		2.8	1.4	.7							5.7	10.3
ENE		2.1	.7	.7								3.5	7.6
E			2.8									2.8	8.0
ESE		1.4		.7								2.1	8.3
SE		.7	.7	2.1								3.5	9.4
SSE		2.1	2.1	9.2	2.1							15.6	12.3
S	2.8	1.4	6.4	6.4	2.8							19.9	10.6
SSW		1.4	5.7	2.8								9.9	9.6
SW													
WSW	.7											.7	2.0
W		.7		.7	.7							2.1	12.0
WNW	.7			.7			.7					2.1	15.3
NW		1.4		.7								2.1	7.3
NNW			1.4	3.5	1.4							6.4	13.8
VARBL													
CALM												.7	
	7.1	15.6	28.4	38.3	9.2		.7					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

15

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	6.4	5.7	1.4							15.6	10.9
NNE	.7	1.4	2.8	2.1								7.1	8.7
NE			1.4		.7							2.1	12.7
ENE			2.1	1.4								3.5	11.0
E	.7	3.5	2.1									6.4	6.2
ESE	.7	2.1	.7	5.0	.7							9.2	10.7
SE	.7	1.4	2.1	6.4	1.4							12.1	11.7
SSE	.7	2.8	2.8	7.8	3.5							17.7	11.9
S		.7	2.8	.7		.7						5.0	10.4
SSW	.7	1.4		.7								2.8	6.8
SW	.7	1.4	.7									2.8	5.5
WSW	.7		.7									1.4	5.0
W			.7		.7		.7					2.1	17.7
WNW			.7	2.1	.7							3.5	13.8
NW		1.4	1.4	.7								3.5	7.8
NNW			2.8		.7							3.5	10.6
VARBL													
CALM												1.4	
	5.7	18.4	30.5	32.6	9.9	.7	.7					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	7.8	3.5	1.4							15.6	9.8
NNE	1.4	1.4	1.4	.7								5.0	6.6
NE		1.4	1.4									2.8	7.3
ENE	.7	.7	1.4	1.4								4.3	8.8
E		.7	3.5	.7								5.0	8.4
ESE	.7	2.8	5.0	7.1	.7							16.3	9.6
SE		.7	6.4	8.5	.7							16.3	10.9
SSE			4.3	12.8	.7							17.7	12.6
S		.7	1.4	.7								2.8	9.0
SSW		1.4										1.4	5.0
SW													
WSW													
W													
WNW			1.4		.7							2.1	11.7
NW		.7	1.4	1.4								3.5	10.2
NNW		1.4	2.1	.7								4.3	8.2
VARBL													
CALM												2.8	
	3.5	14.2	37.6	37.6	4.3							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928 STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

FEB MONTH

ALL WEATHER

CLASS

21

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	5.0	.7	.7							10.6	7.8
NNE	.7	2.8	1.4	.7								5.7	6.4
NE	.7	2.1	1.4									4.3	6.0
ENE	4.3	1.4		.7								6.4	3.9
E	2.8	1.4										4.3	2.8
ESE	2.8	4.3	.7									7.8	4.1
SE	3.5	7.1	9.9	.7								21.3	6.3
SSE	1.4	6.4	7.8	3.5								19.1	7.9
S	.7	2.8	1.4	.7								5.0	7.3
SSW	.7		.7									1.4	4.5
SW	1.4											1.4	3.0
WSW		1.4										1.4	4.5
W	.7	.7										1.4	3.5
WNW		.7										.7	5.0
NW	.7	.7	1.4		.7							3.5	9.0
NNW												5.7	
VARBL												5.7	
CALM	22.0	34.0	29.8	7.1	1.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.2	5.0	3.0	.7							14.5	8.4
NNE	1.1	1.8	3.1	1.4	.1							7.4	7.8
NE	.6	1.1	1.6	.6	.2							4.1	8.1
ENE	1.2	.9	.8	.6								3.5	6.4
E	1.4	1.1	1.2	.1								3.7	5.1
ESE	1.5	1.6	1.1	1.6	.2							6.1	7.3
SE	1.4	2.7	3.5	2.3	.4							10.3	8.0
SSE	1.2	3.5	3.6	5.2	.9							14.4	9.5
S	1.3	2.5	3.8	1.5	.4	.1						9.6	7.9
SSW	.5	1.2	.9	.4								3.1	6.8
SW	.4	.4	.2									1.0	4.6
WSW	1.7	.1	.2									2.0	2.6
W	.5	1.0	.3	.1	.2		.1					2.1	6.8
WNW	.7	.4	.4	.4	.3		.1					2.2	9.0
NW	.6	1.1	.8	.4	.3							3.2	8.0
NNW	.9	.9	1.6	1.2	.5							5.1	9.1
VARBL													
CALM												7.7	
	16.7	24.5	27.6	19.1	4.0	.1	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

1128

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER

CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	1.9	1.9	1.3							8.4	8.9
NNE	3.2	1.9	1.9	1.3								8.4	6.4
NE	1.3		.6									1.9	4.0
ENE	1.9	3.2	.6									5.8	4.1
E	1.9	1.9	.6									4.5	4.0
ESE	2.6	3.9	1.3	1.3								9.0	6.1
SE	1.9	7.1	6.5	2.6	.6							18.7	7.4
SSE	.6	3.9	6.5	3.2	.6							14.8	9.2
S	1.9	3.9	3.9	3.2								12.9	7.5
SSW	.6											.6	2.0
SW	.6											.6	3.0
WSW	1.3											1.3	2.5
W	.6											.6	2.0
WRW													
NW	.6	2.6										3.2	4.2
NNW			1.9	1.3								3.2	10.8
VARBL													
CALM												5.8	
	21.3	29.7	25.8	14.8	2.6							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	3.9	1.3	1.3							9.0	9.7
NNE	2.6	1.3		2.6	.6							7.1	8.2
NE		3.2	.6									3.9	4.8
ENE	.6	1.3	.6	.6								3.2	6.4
E	4.5	2.6		.6								7.7	3.4
ESE	5.2	1.3	1.3	.6								6.4	4.5
SE	1.3	3.2	7.1	3.9								15.5	8.6
SSE	1.3	3.9	7.1	1.9								14.2	8.1
S	1.3	1.9	3.9	.6								7.7	7.5
SSW	.6	1.9										2.6	4.0
SW			.6									.6	8.0
WSW		1.3										1.3	4.0
W	.6	1.3										1.9	3.7
WNW													
NW	1.3	.6										1.9	2.7
NNW		1.3	.6	.6								2.6	8.0
VARBL													
CALM												12.3	
	19.4	27.7	25.8	12.9	1.9							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	3.8	1.3	3.9								15.5	6.2
NNE	1.3	3.9	1.9	1.3								8.4	6.8
NE		2.6		.6								3.2	7.0
ENE		1.9		.6								2.6	6.5
E	3.9	3.2	.6									9.7	3.8
ESE	4.5	4.5	2.6									11.6	4.7
SE	2.6	2.6	1.3	2.6								9.0	7.7
SSE	.6	3.2	4.5	2.6								11.0	8.1
S	.6		4.5	1.3								6.5	9.0
SSW	.6	1.3										1.9	4.3
SW	.6											.6	2.0
WSW	1.3											1.3	2.5
W	1.3	1.3	.6									3.2	4.4
WNW	1.3											1.3	2.0
NW	.6	.6										1.3	3.5
NNW	1.3		.6	1.9								3.9	9.3
VARBL													
CALM												9.0	
	25.2	32.9	16.1	14.8								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	1.3	2.6	1.9							9.0	10.5
NNE	.6	3.9	3.2	2.6	.6							11.0	8.9
NE	.6	.6	.6	1.9								3.9	8.8
ENE	1.3	.6		.6								2.6	5.3
E	.6	3.2	2.6									6.5	6.4
ESE	1.3	1.9	2.6	.6								6.5	7.0
SE		3.9	5.8	5.8								15.5	9.4
SSE	.6	1.3	4.5	5.8		.6						12.9	11.3
S	1.3	.6	6.5	2.6	.6							11.6	9.1
SSW		.6	1.3									1.9	6.7
SW		1.9										1.9	4.7
WSW	.6	1.3										1.9	3.7
W			.6	.6								1.3	10.5
WNW		.6	.6	.6								1.9	8.7
NW		.6	.6	1.3								2.6	11.3
NNW	1.3	.6	1.9	1.3	.6							5.8	8.8
VARBL													
CALM												3.2	
	9.0	24.5	32.3	26.5	3.9	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		1.9	1.3	.6							3.9	10.2
NNE		1.9	5.2	3.2								10.3	8.9
NE			2.6	.6								3.2	9.6
ENE	.6	.6	1.3	.6								3.2	7.6
E	.6	1.9	3.2									5.8	6.8
ESE	.6	1.3	5.2	2.6	1.9							11.6	11.1
SE			5.2	3.9	1.9							11.0	12.2
SSE		3.2	3.2	3.2	1.9							11.6	11.2
S	1.9	1.9	5.2	4.5	1.9							15.5	10.2
SSW	.6	1.3	1.3	.6	.6							4.5	8.7
SW			1.9									1.9	9.0
WSW	.6											.6	1.0
W													
WNW		1.3	1.9									3.2	7.0
NW		1.3	2.6	1.9	.6							6.5	10.6
NNW	.6	1.3	1.3	2.6	.6							6.5	10.3
VARBL													
CALM												.6	
	6.5	16.1	41.3	25.2	10.3							100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	1.9	1.3								5.8	7.7
NNE	.6	1.9	1.3	1.3								5.2	7.6
NE		1.3	2.6									3.9	7.5
ENE	.6		2.6	1.3								4.5	8.4
E		.6	7.1	1.3								9.0	8.6
ESE	.6	1.3	3.9	6.5	1.9							14.2	11.5
SE	.6	.6	3.2	8.4	.6	.6						14.2	12.0
SSE	2.6		2.6	7.1	2.6							14.8	12.0
S	.6	1.3	1.9	1.9	.6							6.5	9.9
SSW			1.3		.6							1.9	13.3
SW	.6	.6	.6									1.9	4.7
WSW	1.3											1.3	2.5
W	.6											.6	2.0
WNW	1.3		.6	.6								2.6	6.8
NW			.6	1.9	.6							3.2	14.6
NNW	1.9		1.3	5.8								9.0	10.6
VARBL													
CALM												1.3	
	11.6	10.3	31.6	37.4	7.1	.6						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	5.8	2.6								9.7	9.1
NNE	.6	.6	.6	3.2								5.2	9.9
NE		.6										.6	5.0
ENE		1.3	1.3	1.3								3.9	8.7
E		2.6	7.1	1.3								11.0	8.1
ESE		1.9	10.3	15.5	1.3							29.0	11.5
SE	.6	.6	5.2	10.3	1.9							18.7	11.7
SSE		.6	2.6	4.5	2.6							10.3	12.7
S		.6		.6	.6							1.9	13.3
SSW													
SW													
WSW													
W	.6			.6								1.3	7.5
WNW			.6	.6								1.3	11.5
NW		1.3										1.3	6.0
NNW		.6	3.2			.6						4.5	10.1
VARBL													
CALM												1.3	
	2.6	11.0	36.8	40.6	6.5	.6						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)12928
STATIONKINGSVILLE, TEXAS
STATION NAME73-77
YEARSMAR
MONTHALL WEATHER
CLASS21
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	2.6	2.6								7.7	8.3
NNE		1.9	.6	1.9								4.5	8.9
NE	.6	1.9	.6									3.2	4.8
ENE	1.3	1.9	.6	.6								4.5	6.1
E		4.5	1.9									6.5	5.4
ESE	1.9	9.7	3.2	2.6								17.4	6.5
SE	1.9	7.7	13.3	5.8								29.0	8.4
SSE	.6	3.9	5.8	3.9								14.2	8.7
S		1.3	1.9	.6								3.9	8.7
SSW													
SW													
WSW													
W													
WNW													
NW		.6										.6	4.0
NNW			.6									.6	8.0
VARBL													
CALM												7.7	
	7.7	34.8	31.6	18.1								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	2.5	2.2	.6							8.6	8.5
NNE	1.1	2.2	1.9	2.2	.2							7.5	8.1
NE	.3	1.3	1.0	.4								3.0	6.8
ENE	.8	1.4	.9	.7								3.8	6.6
E	1.5	2.8	2.9	.4								7.6	6.0
ESE	2.1	3.2	3.8	3.7	.6							13.5	8.6
SE	1.1	3.2	6.0	5.4	.6	.1						16.5	9.5
SSE	.8	2.5	4.0	4.0	1.0	.1						13.0	10.1
S	1.0	1.5	3.5	1.9	.5							8.3	9.0
SSW	.3	.6	.5	.1	.2							1.7	7.2
SW	.2	.3	.4									1.0	5.7
WSW	.6	.3										1.0	2.9
W	.5	.3	.2	.2								1.1	5.2
WNW	.3	.2	.5	.2								1.3	7.2
NW	.3	1.0	.5	.6	.2							2.6	8.6
NNW	.6	.5	1.5	1.7	.2	.1						4.5	9.8
VARBL													
CALM												5.2	
	12.9	23.3	30.4	23.8	4.0	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	3.3	1.3								8.7	7.5
NNE	2.0	1.3										3.3	3.4
NE	.7	.7	1.3	.7								3.3	7.6
ENE	1.3	.7	.7									2.7	4.3
E	6.0	4.0		1.3								11.3	4.5
ESE	3.3	2.7	6.0	2.0								14.0	7.3
SE	1.3	6.7	8.0	6.0								22.0	8.7
SSE		1.3	5.3	4.0	2.0							12.7	11.2
S	1.3	1.3	2.7	1.3								6.7	7.7
SSW		2.0										2.0	4.7
SW												.7	3.0
WSW	.7												
W													
WNW													
NW		.7										.7	5.0
NNW		1.3										1.3	5.0
VARBL													
CALM												10.7	
	18.7	24.7	27.3	16.7	2.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.7	1.3	.7								10.0	5.1
NNE	1.3	.7	2.0									4.0	6.2
NE	.7	1.3										2.0	6.7
ENE	.7	1.3										10.0	4.1
E	4.0	5.3	.7									14.0	8.3
ESE	1.3	3.3	6.7	2.7								18.7	8.8
SE	.7	5.3	5.3	7.3								12.0	9.9
SSE	.7	1.3	4.7	5.3								5.3	7.0
S	1.3	2.0		2.0								1.3	3.0
SSW	.7	.7										.7	2.0
SW	.7											2.0	2.7
WSW	1.3	.7										.7	2.0
W	.7											2.7	2.0
WNW												2.7	4.0
NW	.7	2.0										4.7	5.4
NNW	2.0	1.3	.7	.7								12.0	
VARBL													
CALM													
	19.3	28.7	21.3	18.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.0	5.3	1.3								11.3	7.5
NNE	2.0	2.0	.7	.7								5.3	6.0
NE	2.0	.7										2.7	3.0
ENE	2.7	.7										3.3	2.6
E	4.0	5.3	.7									10.0	4.3
ESE		4.7	2.7	1.3								8.7	7.0
SE	2.0	3.3	4.7	4.0	.7							14.7	8.1
SSE	.7	4.0	4.0	4.0								12.7	8.9
S	.7	1.3	1.3	.7								4.0	7.2
SSW	.7		.7									1.3	5.5
SW	.7	.7										1.3	3.5
WSW	.7											.7	2.0
W	2.7											2.7	2.8
WNW	.7	.7										1.3	3.0
NW	.7			.7								1.3	7.0
NNW	2.0	4.0	2.0									8.0	5.1
VARBL													
CALM												10.7	
	22.7	31.3	22.0	12.7	.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12923
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	4.7	3.3	1.3							11.3	11.0
NNE		.7	2.7	.7	.7							4.7	10.1
NE	.7	1.3	2.7									4.7	7.3
ENE	1.3	1.3	1.3									4.0	6.0
E	1.3	1.3	5.3	1.3								9.3	7.8
ESE	.7	2.0	7.3	5.3	.7							16.0	9.8
SE	.7	1.3	6.7	12.0								20.7	11.1
SSE		.7	4.0	5.3	1.3							11.3	11.8
S		2.0	1.3	2.0	.7							6.0	10.0
SSW		2.0	1.3									3.3	6.2
SW		.7										.7	4.0
WSW													
W		.7										.7	5.0
WNW	1.3		.7									2.0	4.7
NW	.7		1.3	.7								2.7	7.8
NNW		.7		.7								1.3	8.0
VARBL													
CALM												1.3	
	6.7	16.7	19.3	31.3	4.7							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.3	3.3	2.0	.7							10.0	8.5
NNE	.7	.7	1.3	2.0								4.7	8.7
NE		1.3	4.0									5.3	8.1
ENE		1.3	1.3									2.7	7.3
E	.7	.7	4.7	2.7								8.7	9.4
ESE		1.3	5.3	8.0	1.3							16.0	12.1
SE	.7	2.0	5.3	13.3	3.3	.7						25.3	12.4
SSE		2.7	.7	4.7	2.7	.7						11.3	12.8
S	.7	.7	.7	.7		.7						3.3	10.6
SSW		.7	1.3									2.0	8.0
SW		.7										.7	5.0
WSW			.7									.7	8.0
W													
WNW	.7	.7	1.3		.7							3.3	8.6
NW				1.3								1.3	14.5
NNW			2.0	1.3								3.3	11.8
VARBL													
CALM												1.3	
	4.0	16.0	32.0	36.0	8.7	2.0						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.3	1.3	4.0	1.3	.7						11.3	11.0
NNE		2.0	1.3									3.3	6.8
NE		.7	2.0	.7								3.3	8.8
ENE	.7	3.3	2.0	.7	.7							7.3	8.1
E		.7	.7	2.7								4.0	11.7
ESE		.7	10.0	16.7	8.0							35.3	13.2
SE			2.7	10.7	2.7	.7						16.7	14.1
SSE			.7	2.7	4.0							7.3	16.5
S		.7										.7	4.0
SSW			.7									.7	9.0
SW		.7										.7	6.0
WSW													
W		.7										.7	5.0
WNW		1.3			.7							2.0	8.7
NW	.7			.7								1.3	9.5
NNW		1.3		1.3	.7	.7						4.0	13.2
VARBL													
CALM												1.3	
	2.0	15.3	21.3	40.0	18.0	2.0						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1292R
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	2.7	2.0	1.3							7.3	11.2
NNE		2.0	3.3									5.3	7.8
NE	.7	.7	.7									2.0	5.0
ENE		.7	4.0									4.7	7.6
E	.7	1.3	8.7	6.7		.7						18.0	10.6
ESE		.7	10.0	20.7	2.7							34.0	12.5
SE			4.7	12.0	2.0							18.7	13.0
SSE				4.7	.7	.7						6.0	16.2
S	.7			.7								1.3	10.0
SSW													
SW													
WSW													
W													
WNW													
NW	.7		.7	.7								1.3	9.5
NNW			.7									.7	10.0
VARBL													
CALM												.7	
	3.3	6.0	34.7	46.7	7.3	1.3						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 12928 KINGSVILLE, TEXAS STATION NAME 73-77 YEARS MONTH APR 21 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7	.7								4.0	5.8
NNE		1.3	2.0	.7								4.0	7.5
NE	.7	1.3	2.0									4.0	5.5
ENE	2.0	2.7										4.7	4.3
E	6.0	8.7	4.7	.7								20.0	5.3
ESE	2.0	9.3	8.7	4.7								24.7	7.6
SE	4.7	1.3	10.0	7.3	.7	.7						24.7	9.6
SSE	1.3	.7	2.7	5.3								10.0	9.6
S			.7	.7								2.0	15.0
SSW													
SW													
WSW													
W													
WNW													
NW		.7										.7	5.0
NNW													
VARBL													
CALM												1.3	
	18.0	27.3	31.3	20.0	1.3	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12926
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	2.8	1.9	.6	.1						9.2	8.7
NNE	.7	1.3	1.7	.5	.1							4.3	7.2
NE	.6	.8	1.6	.2								3.2	6.8
ENE	1.1	1.3	1.2	.1	.1							3.9	6.0
E	2.8	3.4	3.2	1.9		.1						11.4	6.9
ESE	.9	3.1	7.1	7.7	1.6							20.3	10.5
SE	1.2	2.5	5.9	9.1	1.2	.2						20.2	10.7
SSE	.3	1.3	2.7	4.5	1.3	.2						10.4	11.6
S	.6	1.0	.8	.9	.2	.1						3.7	8.8
SSW	.2	.7	.5									1.3	5.9
SW	.2	.3										.5	4.0
WSW	.3	.1	.1									.5	3.5
W	.4	.2										.6	3.3
WNW	.3	.3	.2	.2								1.1	6.8
NW	.4	.4	.2	.5								1.5	7.7
NNW	.5	1.1	.7	.5	.1	.1						2.9	7.8
VARBL													
CALM												4.9	
	11.8	20.7	78.7	27.7	5.3	.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928 STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3										3.2	3.4
NNE	1.9		.6	.6								3.2	5.8
NE	1.9	1.3	.6									3.9	4.2
ENE		1.3	.6									1.9	5.7
E	3.9	1.3	.6									5.8	3.4
ESE	3.2	5.2	5.2	3.2								16.8	7.0
SE	.6	6.5	9.7	2.6								19.4	7.4
SSE		5.8	5.8	1.9								13.5	7.8
S	.6	3.2	2.6	1.9								8.4	7.2
SSW			.6									.6	8.0
SW			.6									.6	10.0
WSW	1.3	1.3										2.6	3.8
W		1.3										1.3	4.0
WNW													
NW		.6	.6									1.3	7.0
NNW		1.3			.6							1.9	9.3
VARBL													
CALM												15.5	
	15.5	30.3	27.7	10.3	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9		.6									2.6	3.8
NNE	2.6	2.6		.6								5.8	4.2
NE	1.3	1.3	1.3									3.9	5.7
ENE		.6	1.3									1.9	7.3
E	2.6	2.6	.6	.6								6.5	4.8
ESE	1.9	5.2	5.2									12.3	6.2
SE	1.9	5.6	7.1	.6	.6							16.1	6.8
SSE	3.9	5.2	3.2	.6	.6							13.5	6.6
S	1.3	1.3	1.3	1.9								5.8	8.2
SSW	.6	.6	.6									1.9	5.7
SW												.6	6.0
WSW	1.3	.6										1.9	4.0
W													
WNW													
NW		1.9										1.9	4.3
NNW	1.9	1.9										3.9	3.5
VARBL													
CALM												21.3	
	21.3	30.3	21.3	4.5	1.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEAR

MAY
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.8	.6									9.7	4.4
NNE	1.9	1.3	1.9									5.2	5.3
NE	3.2	1.3										4.5	3.1
ENE	3.2	.6										3.9	3.3
E	6.5	3.9	2.6									12.9	4.4
ESE	2.6	5.2	3.9	.6								12.3	5.9
SE	1.3	6.5	5.2									12.9	6.0
SSE	.6	3.9	1.9	.6								7.1	5.6
S	1.3	3.9	2.6	.6								8.4	5.9
SSW				.6								.6	12.0
SW	.6											.6	3.0
WSW	.6											.6	3.0
W	1.3	.6										1.9	3.0
WNW		.6		.6								1.3	8.0
NW	.6		.6									1.3	6.0
NNW	1.9	1.3										3.2	2.8
VARBL												13.5	
CALM												100.0	4.4
	29.0	34.6	19.4	3.2									

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928 STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.9	1.9								6.5	8.1
NNE		1.9	.6		.6							3.2	8.8
NE	.6	.6	2.6	.6								4.8	7.6
ENE		1.9	1.9	1.9								5.2	8.4
E	1.3	1.9	4.5									7.7	6.9
ESE	1.3	3.2	5.2	6.5	.6							16.8	10.0
SE		3.2	9.0	6.5								18.7	9.6
SSE		3.2	7.1	4.5								14.8	9.2
S		.6	7.1	3.9								11.6	10.0
SSW				.6								.6	12.0
SW													
WSW		1.3	.6									1.9	7.0
W		.6										.6	6.0
WNW													
NW	.6		.6	.6								1.9	8.3
NNW	.6	1.9	1.9									3.9	5.8
VARBL													
CALM												1.9	
	5.8	21.9	41.9	27.1	1.3							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

155

AD-A067 682

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KINGSVIL--ETC(U)
JUL 78

F/G 4/2

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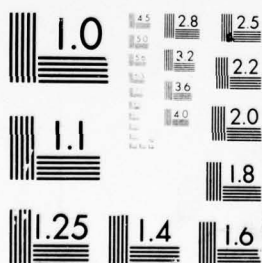
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2 OF 4

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.0	1.3								6.5	8.2
NNE	1.9	.6	3.2	.6								6.5	6.9
NE	.6	1.9		.6								3.2	6.4
ENE	.6	.6	1.3	.6								3.2	8.0
E	.6	1.3	3.2	1.9								9.0	8.3
ESE		1.3	11.0	11.0	.6	.6						24.5	11.5
SE		.6	6.5	6.5	1.9							15.5	11.7
SSE	1.3	1.9	3.9	1.3	.6							9.0	8.7
S	1.3	3.2	1.9	3.2	.6							10.3	8.9
SSW	.6	1.9	.6	.6								3.9	6.2
SW	.6	.6										.6	6.0
WSW	.6		.6									1.3	6.0
W													
WNW		1.3		.6								1.9	7.0
NW			.6									.6	8.0
NNW		.6	1.3	.6								2.6	9.5
VARBL													
CALM												1.3	
	7.7	18.7	38.7	29.0	3.9	.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

ALL WEATHER
CLASS

MAY
MONTH

15
HOURS (L.S.T.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	1.9									3.2	7.8
NNE		1.9	1.9									3.9	6.5
NE		3.2	1.9	.6								5.8	7.3
ENE		1.9	3.2	1.9								6.5	9.4
E		.6	5.2	6.5	.6							12.9	11.3
ESE	1.3	3.2	9.0	10.1	1.9							33.5	11.3
SE		.6	7.1	6.5	1.3							15.5	11.8
SSE			1.9	3.9	1.9							7.7	13.4
S	.6		1.3	1.3								3.2	9.4
SSW													
SW													
WSW													
W													
WNW		.6										.6	6.0
NW			1.9									1.3	9.5
NNW	.6	.6	3.2	.6								5.2	8.1
VARBL													
CALM												.6	
	2.6	13.5	38.1	39.4	5.8							100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.9	.6								3.9	7.5
NNE		1.3	1.3	.6								3.2	7.8
NE		.6	1.3									1.9	7.0
ENE		1.3	3.9									5.8	7.2
E		1.3	14.8	6.5								23.2	9.7
ESE		.6	13.5	22.6	1.3							38.1	11.9
SE			1.9	9.7	2.6							14.2	13.7
SSE		.6	.6	4.5	.6	.6						7.1	14.5
S													
SSW													
SW													
WSW													
W													
WNW	.6	.6	.6									1.9	5.3
NW													
NNW			.6									.6	7.0
VARBL													
CALM												.0	
	.6	9.0	40.6	44.5	4.5	.6						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAY

MONTH

21

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	5.0
NNE	1.9	1.3	.6									3.9	4.7
NE	1.3	1.9										3.2	3.8
ENE	3.2	3.2										6.5	3.6
E	1.9	3.4	1.9	.6								12.9	5.3
ESE	3.9	9.7	9.7	4.5								27.7	6.9
SE	2.6	8.4	7.7	5.8								24.5	7.8
SSE		.6	4.5	4.5								9.7	10.7
S			3.2									3.2	9.0
SSW		.6										.6	5.0
SW	.6											.6	3.0
WSW													
W	.6	1.3										1.9	4.0
WNW		.6										.6	4.0
NW													
NNW			.6									.6	10.0
VARBL													
CALM												2.6	
	16.8	36.1	29.0	15.5								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

12923
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	1.3	.5								4.6	6.2
NNE	1.3	1.4	1.3	.3	.1							4.4	6.1
NE	1.1	1.3	1.0	.2								3.9	5.7
ENE	.9	1.5	1.5	.6								4.4	6.7
E	2.1	2.7	4.4	2.0	.1							11.4	7.4
ESE	1.8	4.2	7.6	8.3	.6	.1						22.7	9.5
SE	.8	4.0	6.6	4.8	.8							17.1	9.2
SSE	.7	2.7	3.0	2.7	.5	.1						10.3	9.2
S	.6	1.5	2.5	1.6	.1							6.4	8.3
SSW	.2	.4	.2	.2								1.0	7.0
SW	.2	.1	.1									.3	5.5
WSW	.3	.4	.2									.9	5.2
W	.4	.6										1.0	3.9
WNW	.1	.2	.1	.2								.8	6.3
NW	.2	.3	.5	.1								1.0	7.0
NNW	.6	1.0	.9	.2	.1							2.7	6.4
VARBL													
CALM												7.1	
	12.4	24.4	32.1	21.7	2.2	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.0
NNE	1.3	.7										2.0	2.3
NE	.7											.7	2.0
ENE			.7									.7	7.0
E	9.3	1.3		.7								11.3	3.2
ESE	1.3	1.3	5.3	1.3								9.3	7.4
SE	4.0	8.0	11.3	.7								24.0	6.2
SSE	2.7	7.3	9.3	1.3	.7							21.3	7.3
S	2.7	4.0	2.0	1.3	1.3							11.3	7.4
SSW		1.3										1.3	4.0
SW	.7											.7	3.0
WSW													
W													
WNW	.7											.7	3.0
NW													
NNW		.7										.7	4.0
VARBL													
CALM												14.0	
	24.7	25.3	28.7	5.3	2.0							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
12923

KINGSVILLE, TEXAS

STATION NAME

YEARS

73-77

JUN
MONTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	.7									2.7	4.0
NNE	2.0	2.0		.7								4.7	4.6
NE	.7			.7								1.3	9.0
ENE		.7	.7									1.3	5.5
E	1.3	1.3										2.7	2.8
ESE	4.7	.7	1.3									6.7	3.6
SE	2.7	7.3	6.0									18.0	6.1
SSE	3.3	7.3	3.3	.7								14.7	5.5
S	3.3	6.0	3.3	2.7								15.3	6.7
SSW	1.3											1.3	2.5
SW	.7											.7	2.0
WSW	2.0											2.0	2.7
W	.7	.7										1.3	3.0
WNW	1.3											1.3	2.0
NW	2.7											2.7	2.5
NNW	2.0											2.0	2.3
VARBL													
CALM												21.3	
	30.0	26.7	17.3	4.7								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

150

12

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12929
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	.7									5.3	4.3
NNE	2.0	1.3	.7									4.0	4.0
NE	1.3	.7	.7									2.7	4.3
ENE													
E	4.0	.7	1.3									6.0	3.9
ESE	2.0	2.0	.7									4.7	4.1
SE	1.3	8.0	3.3	2.0								16.7	6.5
SSE	2.7	8.7	4.0	1.3								16.7	5.9
S		2.7	4.0	.7								7.3	7.2
SSW													
SW													
WSW													
W	.7											.7	2.0
WNW													
NW	2.0	2.0										4.0	3.5
NNW	2.7	.7										3.3	2.4
VARB													
CALM												28.7	
	20.0	30.0	17.3	4.0								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.7									4.0	7.0
NNE		4.0	1.3									5.3	5.4
NE	.7	.7	.7									2.0	5.0
ENE	.7	.7	2.0	.7								4.0	7.8
E	3.3	2.0	2.0									7.3	4.8
ESE		2.7	5.3	2.7								10.7	8.9
SE	.7	2.0	4.7	4.7	.7							12.7	10.4
SSE	1.3	2.0	14.7	7.3	.7							26.0	9.7
S		2.7	4.7	7.3	1.3	.7						16.7	10.9
SSW		.7	.7	.7								2.0	9.3
SW	.7											.7	2.0
WSW													
W	2.0	.7										2.7	2.5
WNW		.7										.7	4.0
NW		.7										.7	4.0
NNW		1.3			.7							2.0	9.3
VARBL													
CALM												2.7	
	9.3	22.0	38.7	23.3	3.3	.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

12924

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12924

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN

MONTH

12

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.7									2.0	7.0
NNE	.7	2.0	2.7	1.3								6.7	7.8
NE	.7	.7	3.3									4.7	7.3
ENE	.7	2.7	2.0									5.3	6.3
E	.7	2.7	4.7									8.0	7.1
ESE		2.0	6.7	4.7	.7							14.0	10.7
SE	.7	4.0	10.0	10.7	.7		.7					26.7	10.9
SSE		2.7	4.7	4.0	2.0	.7						14.0	11.8
S	.7	2.0	4.7	2.0								9.3	8.4
SSW		.7		1.3								2.0	10.3
SW												1.3	6.0
WSW	.7		.7										
W													
WNW	.7											.7	2.0
NW				.7								.7	12.0
NNW		.7		.7								1.3	9.0
VARBL													
CALM												3.3	
	5.3	21.3	40.0	25.3	3.3	.7	.7					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	5.0
NNE		1.3	2.0									3.3	6.8
NE	1.3	2.7	2.7									6.7	6.1
ENE	.7	1.3	4.0	.7								6.7	7.9
E	.7	3.3	8.7	4.0								16.7	9.0
ESE			6.7	22.0	2.7	.7						34.0	12.6
SE		.7	4.0	8.0	3.3							16.0	13.0
SSE		2.0	1.3	5.3	.7	1.3						10.7	13.2
S		.7	1.3	2.0	.7							4.7	11.1
SSW													
SW													
WSW													
W													
WNW			.7									.7	7.0
NW													
NNW													
VARBL													
CALM												.0	
	2.7	12.7	33.3	42.0	7.3	2.0						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MFAN WIND SPEED
N													
NNE	.7	.7	1.3									2.7	5.8
NE			.7									.7	8.0
ENE		1.3	2.0	.7								4.0	8.0
E		4.7	16.7	4.7								26.0	8.9
ESE		2.0	9.3	15.3	1.3							28.0	11.5
SE		.7	3.3	18.7	3.3	.7						26.7	13.3
SSE	.7	1.3		4.0	2.7	.7						9.3	13.9
S													
SSW													
SW													
WSW													
W	.7											.7	3.0
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	2.0	10.7	35.3	43.3	7.3	1.3						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12920
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER

CLASS

21

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	1.0
NNE	1.3	.7										2.0	3.3
NE	.7		.7									1.3	5.0
ENE	2.7	.7										3.3	3.2
E	8.0	6.7	2.0									16.7	4.1
ESE	6.0	7.3	8.0	2.7								24.0	6.3
SE	3.3	8.0	14.7	6.7								32.7	8.1
SSE	2.7	2.7	2.7	5.3								10.7	10.0
S	.7	.7		2.0								3.3	9.8
SSW												.7	2.0
SW	.7												
WSW													
W													
WNW		.7										.7	4.0
NW													
NNW													
VARBL													
CALM												4.0	
	24.0	27.3	28.0	16.7								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

1292B
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	.0									2.2	4.9
NNE	1.0	1.0	1.0	.2								3.3	5.5
NE	.7	.6	1.1	.1								2.5	6.1
ENE	.6	.9	1.4	.2								3.2	6.8
E	3.4	2.0	4.7	1.2								12.1	6.5
ESE	1.7	2.2	5.7	6.1	.6	.1						16.4	9.6
SE	1.6	4.0	7.7	6.4	1.0	.1	.1					21.7	9.3
SSE	1.3	4.2	5.0	3.7	.8	.3						15.4	9.2
S	.9	2.3	2.3	2.2	.4	.1						8.5	8.6
SSW	.2	.3	.1	.2								.8	7.2
SW	.2											.2	2.0
WSW	.4		.1									.5	3.8
W	.5	.2										.7	2.6
WNW	.3	.2	.1									.6	3.4
NW	.6	.3		.1								1.0	3.9
NNW	.6	.4		.1	.1							1.2	4.9
VARBL													
CALM												9.2	
	14.7	22.0	29.8	20.6	2.9	.6	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6											.6	2.0
NE		.6										.6	4.0
ENE	1.9											1.9	2.3
E	1.9	1.3										3.2	3.6
ESE	3.2	1.9										5.2	3.1
SE	8.4	12.9	9.0									30.3	5.2
SSE	3.2	18.1	8.4	.6								30.3	5.7
S		8.4	4.5									12.9	6.4
SSW	1.3											1.3	2.0
SW													
WSW													
W													
WNW													
NW		.6										.6	5.0
NNW													
VARBL													
CALM												12.9	
	20.6	43.9	71.9	.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

JUL
MONTH

03
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6										2.6	3.0
NNE													
NE	1.3											1.3	2.5
ENE	1.9											1.9	1.7
E	.6		.6									1.3	5.0
ESE	2.6	.6										3.2	2.8
SE	4.5	8.4	1.9									14.8	4.3
SSE	11.0	15.5	3.2									29.7	4.1
S	6.5	10.3	2.6									19.4	4.2
SSW		1.3										1.3	4.5
SW	.6	1.3										1.9	4.3
WSW													
W		.6										.6	4.0
WNW													
NW	.6											.6	1.0
NNW	1.3											1.3	2.0
VARBL													
CALM												20.0	
	32.9	38.7	6.4									100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3										1.9	3.3
NNE	2.6	1.3										4.5	3.1
NE		1.3										1.3	4.5
ENE	.6	.6										1.3	3.0
E	5.2	1.3										6.5	2.2
ESE	5.8	1.9		.6								6.4	3.5
SE	9.7	7.7	1.3									18.7	3.7
SSE	6.5	7.1	2.6									10.1	4.2
S	3.9	1.3	1.3									6.5	3.8
SSW	.6											.6	2.0
SW													
WSW													
W													
WNW													
NW													
NNW	2.6											2.6	1.8
VARBL													
CALM												31.6	
	38.1	24.5	5.2	.6								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2										1.9	4.3
NNE	1.9	.0										2.6	2.5
NE	.6											.6	3.0
ENE	.6	.0										1.3	3.5
E	3.2		1.3									4.5	4.0
ESE	.0	2.6	.0	.0	.0							5.2	8.3
SE	1.9	3.9	3.9	3.9								13.5	7.8
SSE	3.2	5.2	13.5	7.7								29.7	8.3
S	2.6	5.0	14.2	8.4								31.0	8.5
SSW		1.9	1.3									3.2	6.4
SW	.0		.0									1.3	5.0
WSW		.0	.0									1.3	6.5
W													
WNW													
NW	.6											.6	3.0
NNW		.0										.6	5.0
VARBL													
CALM												2.0	
	16.8	23.2	36.1	20.6	.6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE	.6	1.3										1.9	4.3
NE	.6	.6	1.9									3.2	6.4
ENE		.6	1.3									1.9	8.0
E	1.9	1.3	2.6	1.3								7.1	6.6
ESE	1.9	5.6	6.4	2.6	.6							19.4	7.7
SE	1.9	4.3	10.3	5.6								22.6	8.6
SSE	1.3	4.3	9.7	3.2	.6							19.4	8.6
S	1.9	7.1	3.9	5.2								16.1	7.5
SSW	.6		1.3	.6								2.6	8.8
SW	.6											.6	2.0
WSW	.6											.6	2.0
W	.6											.6	3.0
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	12.9	26.5	39.4	18.7	1.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12929
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.0										.6	5.0
NE		.0										.6	6.0
ENE	.6	1.3										1.9	4.3
E	.0	2.0	4.3	3.9								11.6	8.9
ESE		4.3	14.8	17.4	.6							37.4	10.8
SE	.6	2.0	11.6	14.8	.6							30.3	11.0
SSE	.6	1.9	1.3	4.3	2.6							11.0	11.6
S		.6	.6	.6								1.9	9.0
SSW		.6										.6	5.0
SW													
WSW			.6									.6	10.0
W	.6											.6	1.0
WNW													
NW					.6							.6	21.0
NNW													
VARBL													
CALM												1.9	
	3.2	15.5	33.2	41.3	4.3							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.9										1.9	4.3
NE		.6										.6	5.0
ENE			.6									.6	8.0
E		2.6	5.6	1.9								10.3	8.7
ESE	.6	6.5	14.6	22.6	2.6							47.1	10.6
SE	.6	.6	3.9	18.1	1.9	.6						25.6	13.0
SSE		1.3	.6	9.0	2.6							13.5	13.6
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	1.3	13.5	25.8	51.0	7.1	.6						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12923
STATION

KINGSVILLE, TEXAS

STATION NAME

75-77

YEARS

JUL

MONTH

21

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	1.3											1.3	2.5
E	5.8	3.9		.6								10.3	3.9
ESE	7.1	11.0	6.5	1.3	.6							26.5	5.7
SE	2.6	13.5	19.4	5.2								40.6	7.7
SSE	.6	1.9	9.0	2.6								14.2	9.2
S	.6	.6	.6	1.3								3.2	8.8
SSW													
SW													
WSW													
W			.6									.6	10.0
WNW													
NW													
NNW													
VARBL													
CALM												3.2	
	18.1	31.0	36.1	11.0	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.9	3.5
NNE	.7	.8										1.5	3.4
NE	.3	.5	.2									1.0	4.9
ENE	.9	.4	.2									1.5	3.9
E	2.4	1.0	1.9	1.0								6.9	6.0
ESE	2.7	4.4	5.6	5.6	.6							19.0	8.5
SE	3.8	6.8	7.7	6.0	.7	.1						24.6	8.0
SSE	3.3	5.9	6.0	3.5	.7							20.5	7.4
S	1.9	4.3	3.5	1.9								11.6	6.8
SSW	.3	.5	.3	.1								1.2	5.8
SW	.2	.2	.1									.5	4.2
WSW	.1	.1	.2									.3	6.3
W	.2	.1	.1									.3	4.5
WNW													
NW	.2	.1			.1							.3	7.5
NNW	.5	.1										.6	2.3
VARBL													
CALM												9.2	
	18.0	27.1	25.8	18.1	1.8	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2											3.2	1.6
NNE													
NE	1.3											1.3	2.5
ENE	1.3											1.3	2.0
E	2.6	1.3										3.9	2.7
ESE	3.9	3.9	.6									8.4	4.2
SE	3.9	15.2	8.4									27.7	5.6
SSE	3.9	12.3	3.9									20.0	4.9
S	1.3	3.9	.6									5.8	4.7
SSW	.6											.6	3.0
SW													
WSW													
W	1.3											1.3	2.0
WNW													
NW	.6											.6	3.0
NNW	.6											.6	2.0
VARBL													
CALM												25.2	
	24.5	36.8	13.3									100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6											2.6	2.8
NNE	1.3											1.3	2.5
NE	1.3											1.3	2.5
ENE	.6	.6										1.3	3.0
E	1.3											1.3	2.5
ESE	2.6	1.3										3.9	2.5
SE	6.5	7.1	2.6									16.1	4.4
SSE	9.0	7.1	.6									16.8	3.7
S	5.8	5.8										11.6	3.4
SSW		1.9										1.9	4.3
SW													
WSW													
W	2.6											2.6	1.8
WNW	1.3											1.3	2.0
NW	3.2											3.2	2.8
NNW	2.6	1.3										3.9	2.7
VARBL													
CALM												31.0	
	40.6	25.2	3.2									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	9.0	1.3										10.3	2.6
NNE	2.6	1.9										4.5	3.1
NE	1.9											1.9	2.0
ENE	3.2	.6										3.9	2.3
E	3.9											3.9	1.8
ESE	2.6	1.3	.6									4.5	3.7
SE	9.7	4.5	.6									14.8	3.4
SSE	5.8	5.2	1.3									12.3	3.9
S	.6	.6										1.3	4.0
SSW		.6										.6	4.0
SW	1.3											1.3	1.5
WSW	.6											.6	3.0
W	.6											.6	3.0
WNW												.6	3.0
NW	1.3											1.3	2.0
NNW	3.9											3.9	2.2
VARBL													
CALM												34.2	
	47.1	16.1	2.6									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.2	1.3									6.5	4.5
NNE	1.3	1.9	1.3									4.5	4.7
NE	1.9	1.3	.6									3.9	4.5
ENE	1.9	3.9	.6									6.5	4.8
E	1.3											1.3	2.0
ESE	.6	2.6	1.3									4.5	5.3
SE	.6	2.6	7.7	4.5								15.5	8.4
SSE	.6	6.5	12.3	3.9	.6							23.9	8.4
S	1.9	2.6	10.3	1.3								16.1	7.2
SSW	.6	1.9	1.3									3.9	5.7
SW	.6		1.9	.6								3.2	7.6
WSW													
W													
WNW													
NW	1.3											1.3	2.0
NNW		.6										.6	5.0
VARBL													
CALM												8.4	
	14.8	27.1	38.7	10.3	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

YEARS

73-77

AUG
MONTH

12
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	1.9									2.0	6.5
NNE	2.0	1.3										3.9	2.8
NE	.0	.0	1.9									3.2	6.6
ENE	.0	3.2	1.3	1.3								6.5	6.5
E	3.2	5.0	3.2	1.3								13.5	5.9
ESE	.6	1.9	11.0	.6								14.2	8.5
SE	1.3	3.9	9.7	4.5								19.4	8.7
SSE	3.9	7.1	7.1	2.0								20.6	6.6
S		2.0	2.6									5.2	7.0
SSW		2.0										2.6	4.8
SW	1.3											1.3	2.5
WSW													
W	1.3											1.3	2.0
WNW													
NW													
NNW	.0	.0										1.3	3.0
VARBL													
CALM												4.5	
	16.1	30.3	38.7	10.3								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9											1.9	1.7
NNE		.6	1.3	1.3								3.2	9.2
NE	.6	1.9	1.9									4.5	5.4
ENE	.6	2.6	2.6	.6								6.5	7.1
E	.6	2.6	9.0	5.2								17.4	9.0
ESE	1.9	2.6	11.6	18.7	2.6							37.4	11.0
SE	1.3	.6	9.0	6.5	.6							18.1	10.4
SSE		1.3	.6	3.2								5.2	10.9
S	.6	.6	1.3	.6								3.2	7.6
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												2.6	
	7.7	12.9	37.4	36.1	3.2							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928 STATION

KINGSVILLE, TEXAS

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.0										.6	6.0
ENE	1.3	1.3	1.9									4.5	5.9
E	.6	3.3	6.5	2.6	.6							14.2	9.0
ESE	1.3	5.8	19.4	25.8	1.9							54.2	10.9
SE		1.3	11.0	5.8	.6							19.4	10.0
SSE	.6	.6	1.3	1.3								3.9	7.8
S		.0	.0									1.3	6.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW	.6											.6	3.0
VARBL													
CALM												1.3	
	4.5	14.2	41.3	35.5	3.2							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12920
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

AUG
MONTH

21

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.0										1.9	2.3
NNE		.0										.6	4.0
NE	1.9		.0									2.6	3.8
ENE	.6	1.3										1.9	3.3
E	9.0	7.1	1.3									17.4	3.7
ESE	4.5	9.7	11.0	2.6								27.7	6.7
SE	1.9	13.5	10.3	4.5								30.3	7.1
SSE	1.9	2.6	1.3									5.8	4.6
S	2.6	.0	.0									3.9	3.8
SSW													
SW													
WSW													
W		.0										.0	4.0
WNW													
NW													
NNW	1.3											1.3	2.0
VARBL													
CALM												5.8	
	25.2	36.6	25.2	7.1								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928 STATION

KINGSVILLE, TEXAS

73-77

YEARS

AUG MONTH

ALL WEATHER CLASS

ALL HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	.7	.4									3.6	3.2
NNE	1.0	.6	.3	.2								2.3	4.5
NE	1.2	.6	.6									2.4	4.5
ENE	1.3	1.7	.6	.2								4.0	5.2
E	2.8	2.0	2.2	1.1	.1							9.1	6.2
ESE	2.3	3.0	6.9	6.0	.6							19.4	9.0
SE	3.1	6.1	7.5	3.2	.2							20.2	7.3
SSE	3.2	5.3	3.5	1.4	.1							13.5	6.1
S	1.6	2.2	2.0	.2								6.0	5.6
SSW	.2	.9	.2									1.2	4.9
SW	.4		.2	.1								.7	5.1
WSW	.1											.1	3.0
W	.6	.1										.7	2.1
WNW	.2											.2	2.3
NW	.8											.6	2.5
NNW	1.2	.3										1.5	2.6
VARBL													
CALM												14.1	
	22.6	24.9	25.1	12.4	.9							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.3	4.0									10.0	5.5
NNE	2.7	.7	1.3									4.7	3.9
NE	.7											.7	2.0
ENE	.7	.7		.7								2.0	7.3
E	4.0											4.0	1.8
ESE	5.3	2.0	.7									8.0	3.7
SE	4.0	6.0	1.3									11.3	4.0
SSE	1.3	10.0	3.3									14.7	5.3
S	2.0	1.3	1.3									4.7	5.3
SSW		.7	.7									1.3	5.5
SW	1.3											1.3	2.5
WSW	.7											.7	3.0
W	.7											.7	2.0
WNW		2.0	1.3									3.3	5.4
NW	1.3	.7										2.0	3.0
NNW	1.3	1.3										2.7	4.0
VARBL												28.0	
CALM													
	28.7	26.7	14.0	.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.7	4.0									10.7	3.2
NNE	1.3	2.0	.7									4.0	5.2
NE	1.3											1.3	2.0
ENE	1.3	.7										2.0	2.3
E	1.3	.7										2.0	3.3
ESE	1.3			.7								2.0	5.7
SE	2.7	2.0	.7									5.3	4.0
SSE	6.0	6.0	.7									14.7	3.7
S	4.0	3.3	.7									8.0	3.7
SSW													
SW	2.0	.7										2.7	3.5
WSW		.7										.7	5.0
W	.7	.7	.7									2.0	4.7
WNW	.7	.7										1.3	3.0
NW	1.3	3.3		.7								5.3	5.0
NNW	4.0	2.0	2.0									8.0	4.1
VARBL													
CALM												30.0	
	34.0	25.3	9.3	1.3								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12920
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	4.0	4.7	.7								15.3	4.8
NNE	6.0		.7	.7								7.3	3.5
NE	.7	1.3										2.0	4.0
ENE	1.3	.7										2.0	3.0
E	1.3	1.3	.7									3.3	4.2
ESE	1.3	.7										2.0	3.3
SE	6.0	1.3										7.3	2.7
SSE	3.3	5.3	.7									9.3	3.7
S	1.3	2.0	.7									4.0	4.3
SSW													
SW													
WSW	1.3	.7										2.0	2.3
W	.7		.7									.7	7.0
WNW	.7	2.0		.7								3.3	5.8
NW	2.7	.7	.7									4.0	3.7
NNW	3.3	2.7	2.7									8.7	5.3
VARBL													
CALM												28.7	
	35.3	22.7	11.3	2.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	5.3	2.0	4.0								14.7	6.6
NNE	3.3	2.0	3.3	2.7								11.3	7.0
NE		.7	1.3									2.0	7.0
ENE	1.3	2.7										4.0	4.3
E	2.0	.7										2.7	3.0
ESE	.7	2.0	.7									3.3	5.4
SE	.7	3.3	1.3									5.3	5.6
SSE	2.0	4.7	5.3	3.3								15.3	7.3
S	2.7	5.3	4.7	4.7								17.3	7.7
SSW	1.3	1.3										2.7	3.0
SW		1.3										1.3	5.5
WSW		.7										.7	5.0
W	2.0	1.3	.7	.7								4.7	5.9
WNW													
NW		1.3	.7	.7								2.7	7.3
NNW	.7	2.7	1.3	.7	.7							6.0	8.0
VARBL													
CALM												6.0	
	20.0	35.3	21.3	16.7	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	2.7	1.3	.7							8.7	7.8
NNE	.7	4.0	1.3	2.0								8.0	7.5
NE	1.3	1.3	1.3	.7								4.7	6.0
ENE	1.3		1.3									2.7	5.8
E	2.0	4.7	2.7									9.3	5.0
ESE		2.7	1.3	.7								4.7	7.1
SE	2.0	.7	6.0	1.3								10.0	7.6
SSE	1.3	4.0	5.3	2.7								13.3	7.9
S	2.0	6.0	6.0	2.0								16.0	7.3
SSW	.7	1.3										2.0	4.7
SW		1.3										1.3	4.5
WSW	.7			.7								1.3	6.5
W	.7		1.3	.7								2.7	6.8
WNW			.7									.7	8.0
NW		.7	1.3	.7								2.7	8.5
NNW	1.3	3.3		2.0		.7						7.3	8.4
VARBL													
CALM												4.7	
	15.3	32.7	31.3	14.7	.7	.7						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	3.3	2.0	.7							7.3	9.9
NNE		.7	2.0	1.3								4.0	9.5
NE		1.3	.7									2.0	6.7
ENE	.7	2.7	4.0	2.7								10.0	8.5
E		5.3	7.3	2.7								15.3	8.0
ESE	.7	3.3	11.3	6.7	.7							22.7	9.7
SE		1.3	4.7	3.3	.7							10.0	9.9
SSE		2.7	3.3	4.7								10.7	10.2
S			.7									.7	7.0
SSW													
SW													
WSW	1.3		.7									2.0	5.0
W	1.3	1.3	.7									3.3	4.4
WNW			.7	.7								1.3	10.5
NW			2.7		.7							3.3	10.4
NNW	.7	2.0	.7	1.3								4.7	7.6
VARBL													
CALM												2.7	
	4.7	22.0	42.7	25.3	2.7							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

SEP

MONTH

18

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.3	2.0									5.3	7.1
NNE		1.3	.7	1.3								3.3	8.4
NE	.7	1.3	.7	.7								3.3	6.4
ENE	1.3	2.0	1.3									4.7	4.9
E		12.0	11.3	1.3								24.7	7.2
ESE		5.3	16.0	6.7								30.0	9.2
SE		1.3	4.0	6.0								11.3	10.6
SSE	1.3	.7	1.3	2.0								5.3	8.4
S	.7			.7								1.3	9.5
SSW													
SW													
WSW													
W			.7										
WNW		.7										.7	10.0
NW	1.3	.7	.7	.7								.7	6.0
NNW	.7	1.3	.7	2.0								3.3	7.2
VARBL												4.7	8.0
CALM												1.3	
	6.0	30.0	41.3	21.3								100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.0	2.0	.7								8.7	5.6
NNE	2.7	1.3										4.0	4.8
NE	4.7	2.0	.7									7.3	3.7
ENE	6.7	.7										7.3	2.3
E	12.7	4.0	.7									17.3	3.2
ESE	11.3	6.0	1.3	.7								19.3	3.9
SE	3.3	5.3	6.0	1.3								16.0	6.5
SSE	1.3	1.3	1.3	2.0								6.0	7.4
S		.7	.7									1.3	7.5
SSW												.7	4.0
SW		.7										.7	4.0
WSW												.7	4.0
W		.7										.7	14.0
WNW				.7								.7	6.3
NW		1.3	.7									2.0	3.0
NNW	1.3	.7										2.0	3.0
VARBL													
CALM												6.7	
	46.0	27.3	14.7	5.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
12928

STATION NAME
KINGSVILLE, TEXAS

YEARS
73-77

MONTH
SEP

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.3	3.1	1.1	.2							10.1	6.3
NNE	2.1	1.3	1.4	1.0								5.8	6.2
NE	1.2	1.0	.8	.2								2.9	5.0
ENE	1.8	1.2	.4	.4								4.3	5.3
E	2.9	3.0	2.8	.5								9.8	5.6
ESE	2.0	2.7	4.2	1.9	.1							11.5	7.3
SE	2.3	2.7	3.0	1.5	.1							9.6	6.8
SSE	2.3	4.3	2.7	1.8								11.2	6.5
S	1.6	2.3	1.8	.9								6.7	6.5
SSW	.2	.4	.1									.7	4.1
SW	.4	.3										.9	3.9
WSW	.5	.2	.1	.1								.9	4.4
W	.7	.3	.6	.2								1.9	5.5
WNW	.2	.7	.3	.2								1.4	6.5
NW	.8	1.1	.8	.3	.1							3.2	6.3
NNW	1.7	2.0	.9	.7	.1	.1						5.5	6.3
VARBL													
CALM												13.5	
	23.7	28.0	23.2	10.9	.5	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12920 STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.6	1.9	.6								8.4	5.2
NNE	3.2	1.9	1.9	.6								7.7	5.5
NE	2.6	1.3										3.9	3.3
ENE	1.9	.6										2.6	3.5
E	6.5	2.6	1.3									10.3	3.1
ESE	2.6	1.3										3.9	2.8
SE	3.2	1.3	1.9	.6								7.1	5.5
SSE	3.9	2.6	4.5									11.0	5.2
S	5.8	1.3										7.1	2.7
SSW	1.3	.6										1.9	3.0
SW	1.3											1.3	2.0
WSW	.6											.6	3.0
W	.6											.6	3.0
WNW	1.3	.6										1.9	3.0
NW	1.3											1.3	3.0
NNW	1.3	1.3	.6	.6		.6						4.5	8.3
VARBL													
CALM												25.8	
	40.6	18.1	12.3	2.6		.6						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

OCT
MONTH

03
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9	3.2	.6								9.0	5.4
NNE	3.2	2.0	2.0	.6								9.0	5.4
NE		1.3	.6									1.9	6.3
ENE													
E	1.3		.6									1.9	4.0
ESE	2.0	.6										3.2	3.0
SE	1.9	3.2	1.3									6.5	4.5
SSE	3.2	3.2	2.6									9.7	5.2
S	1.3			.6								1.9	5.3
SSW	.6											.6	1.0
SW	2.6											2.6	2.3
WSW	1.3											1.3	3.0
W	1.9	.6										2.6	3.0
WNW	3.2	1.3										4.5	3.0
NW	4.5	1.3	.6									6.5	3.7
NNW	1.9	3.2	1.9	1.3								8.4	6.6
VARBL												30.3	
CALM												100.0	3.3
	32.9	20.0	13.5	3.2									

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12923
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.5	6.3	2.6	.6								16.1	4.8
NNE	3.2	2.6	1.3	.6								7.7	5.0
NE	.6	1.3										1.9	3.7
ENE		.6	.6									1.3	5.5
E	3.9	.6										4.3	2.4
ESE	2.6		1.3									3.9	3.8
SE	2.6	1.3	.6									4.5	3.9
SSE	1.3	.6	.6	1.3								3.9	7.5
S	.6	1.3										1.9	4.3
SSW												.6	6.0
SW			.6									1.3	2.0
WSW	1.3											.6	3.0
W	.6											4.5	4.1
WNW	1.9	1.9	.6									3.8	4.6
NW	2.6	1.9	1.3									11.6	5.3
NNW	5.8	3.2	1.9	.6	.6							29.7	
VARBL													
CALM													
	33.5	21.9	11.0	3.2	.6							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1292A
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

OCT

MONTH

09

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	5.2	3.2	2.6	.6							16.1	6.8
NNE	3.9	5.6	5.6	1.9	.6							18.1	6.5
NE	1.9	1.9	.6									4.5	4.3
ENE	1.3	.6	.6									2.6	4.3
E	1.9	.6	.6									3.2	4.0
ESE	2.6	1.3	1.3									5.2	7.5
SE	1.3	1.9	2.0	.6								6.5	7.3
SSE	1.9	3.9	3.2	1.9								12.9	7.5
S	2.6	.6	4.5	.6								3.4	6.8
SSW	.6											.6	1.0
SW	.6	.6										1.3	3.0
WSW	.6											.6	3.0
W	1.3	1.3	.6	.6								1.3	1.5
WNW			.6	1.3								2.6	8.0
NW	.6	2.0	.6	1.9								1.9	9.0
NNW												5.2	8.3
VARBL													
CALM												9.0	
	23.2	27.7	25.6	12.9	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8880

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

7-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

CONDITION

5702 SURFACE WINDS JAN 78

8880

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	4.5	7.1	2.6	1.3							16.8	8.4
NNE	.6	5.2	1.9	1.3								9.0	6.8
NE	1.3	2.6	1.3	1.9								7.1	7.1
ENE	.6	.6	.6									1.9	5.3
E	1.3	3.2	3.2	.6								8.4	6.9
ESE		4.5	2.6	2.6								9.7	8.4
SE	.6	2.6	5.8	5.2								14.2	9.1
SSE	1.3	2.6	4.5	1.9	.6							11.0	8.4
S		5.2	3.2	1.3	1.3							11.0	8.2
SSW		.6										.6	6.0
SW													
WSW													
W	.6											.6	3.0
WNW		1.3										1.3	4.5
NW		.6	.6	.6								1.9	9.0
NNW	1.3	.6	.6	.6								3.2	6.2
VARBL													
CALM												3.2	
	9.0	34.2	31.6	18.7	3.2							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

8880

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928

KINGSVILLE, TEXAS

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

15

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	3.2	2.6								7.1	9.5
NNE	.6	1.9	5.8	1.9								10.3	8.4
NE	1.3	1.9	1.9	1.9								7.1	7.7
ENE	1.3	1.9		.6								3.9	5.3
E	1.3	1.9	5.2	3.2								11.6	8.8
ESE		3.2	9.0	7.1								19.4	9.4
SE	.6	3.2	7.7	5.8	.6							18.1	9.7
SSE		.6	3.9	2.6								7.1	9.8
S	.6	1.3	.6									2.6	4.5
SSW	.6	.6		.6								1.9	6.0
SW													
WSW	.6											.6	2.0
W	.6											.6	3.0
WNW	.6	1.3	.6									2.6	5.5
NW		.6	1.3									1.9	7.7
NNW	.6	1.3	.6	1.3								3.9	7.7
VARBL													
CALM												1.3	
	9.0	21.3	60.0	27.7	.6							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
12928

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

OCT

MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.6	1.3	1.9								5.2	8.1
NNE	1.9	1.9	1.9									5.8	5.4
NE		2.6	.6	.6								3.9	7.0
ENE	4.5	2.6	1.9									9.0	4.5
E	3.2	11.6	3.9									20.6	5.7
ESE	1.3	7.7	11.0	3.2								23.9	7.8
SE	1.3	5.2	9.0	2.6								19.4	7.7
SSE		.6	2.6	1.3	.6							5.2	11.0
S													
SSW													
SW													
WSW													
W													
WNW	1.9	.6										2.6	3.0
NW		.6										.6	5.0
NNW	.6	1.3	.6									2.6	5.0
VARBL													
CALM												1.3	
	16.1	36.6	35.5	9.7	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
12928

STATION NAME
KINGSVILLE, TEXAS

YEARS
73-77

MONTH
JCT

CLASS
ALL WEATHER

HOURS (L.S.T.)
21

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	2.6									5.8	5.8
NNE	1.9	1.3	1.3	1.9								6.5	7.4
NE	1.9	1.3	.6									3.9	3.7
ENE	3.9	2.6										6.5	3.1
E	8.4	4.5		.6								13.5	3.3
ESE	12.3	4.5	1.3									16.1	3.4
SE	7.1	6.5	4.5	1.9								20.0	5.6
SSE	3.9	3.2	1.9	.6								9.7	5.0
S				.6								.6	12.0
SSW													
SW	.6	.6										1.3	4.0
WSW													
W													
WNW		.6										.6	4.0
NW	.6	.6										1.3	3.0
NNW	.6	.6		.6								1.9	7.7
VARBL													
CALM												16.3	
	43.2	27.7	12.3	6.5								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.0	3.1	1.5	.2							10.6	6.7
NNE	2.3	2.9	2.8	1.1	.1							9.3	6.4
NE	1.2	1.8	.7	.6								4.3	5.6
ENE	1.7	1.2	.5	.1								3.3	4.3
E	3.5	3.1	2.1	.6								9.3	5.2
ESE	2.7	3.1	3.4	1.8								10.9	6.7
SE	2.3	3.3	4.2	2.1	.1							12.0	7.3
SSE	1.9	2.3	3.2	1.2	.2							8.8	7.1
S	1.4	1.2	1.0	.4	.2							4.2	6.1
SSW	.4	.2		.1								.7	3.9
SW	.6	.2	.1									.9	3.2
WSW	.6											.6	2.6
W	.7	.1										.8	2.7
WNW	1.1	1.1	.2	.1								2.6	4.3
NW	1.2	.7	.5	.2								2.7	5.2
NNW	1.5	1.8	.8	.9	.1	.1						5.2	6.6
VARBL													
CALM												13.9	
	26.0	26.0	22.7	10.6	.8	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER

CLASS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.1	2.0	.7	.7							8.7	6.3
NNE		2.0	2.7	.7								5.3	7.6
NE		1.3		.7								2.0	7.0
ENE													
E	.7	.7										1.3	3.5
ESE	1.3	.7										2.0	3.0
SE	3.3	5.3	3.3									12.0	5.2
SSE	4.0	6.7	4.7	.7								16.0	5.5
S	2.0	2.0	2.0	.7								6.7	6.7
SSW	1.3											1.3	2.5
SW	2.7											2.7	2.5
WSW	2.7											2.7	2.3
W	1.3	.7										2.0	3.0
WNW	2.0											2.0	2.7
NW	2.7		.7									3.3	3.4
NNW	1.3	2.0	5.3	1.3								10.0	7.9
VARBL													
CALM												22.0	
	28.0	24.0	20.7	4.7	.7							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.0	2.7	1.3	.7							11.3	7.2
NNE	2.0	1.3	.7	.7								4.7	5.7
NE	1.3		1.3									2.7	5.5
ENE	.7											.7	3.0
E	1.3											1.3	2.0
ESE	2.0	.7										2.7	2.5
SE	2.7	4.7	1.3									8.7	4.5
SSE	3.3	1.3	1.3	2.0	.7							8.7	6.8
S	3.3	2.0	3.3	1.3								10.0	6.3
SSW	.7											.7	2.0
SW		.7										.7	4.0
WSW	.7											.7	1.0
W	4.0	.7										4.7	2.7
WNW	.7	2.0										2.7	4.3
NW	4.0	2.7	2.7	.7								10.0	5.5
NNW	4.7	3.3	1.3	.7								10.0	4.5
VARBL													
CALM												20.0	
	34.0	23.3	14.7	6.7	1.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

NDV

MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	6.7	4.0	.7								13.3	6.1
NNE	.7	2.0	3.3	.7								6.7	7.1
NE	.7	.7										1.3	3.0
ENE	.7											.7	2.0
E	2.7											2.7	2.5
ESE	1.3	1.3	.7									3.3	4.8
SE	4.0	2.7										6.7	3.5
SSE	2.7	1.3	2.7	1.3								8.0	6.5
S	2.0	2.0	.7									4.7	4.3
SSW	.7	.7										1.3	4.0
SW	.7	.7										.7	6.0
WSW	1.3											1.3	1.5
W	.7											.7	2.0
WNW	1.3	2.7										4.0	4.3
NW	2.7	4.0	1.3	.7		.7						9.3	6.6
NNW	7.3	4.0	2.0	.7								14.0	4.0
VARBL													
CALM												21.3	
	30.7	28.7	14.7	4.0		.7						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928

KINGSVILLE, TEXAS

STATION NAME

YEARS

73-77

NOV

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	8.0	6.0	3.3								22.7	6.6
NNE	1.3	2.0	2.7	2.0	.7							8.7	7.9
NE	1.3	.7	.7	.7								3.3	5.6
ENE	.7	2.0										2.7	4.5
E		1.3										1.3	4.0
ESE	.7		1.3	.7								2.7	7.5
SE		2.7	1.3									4.0	6.0
SSE	1.3	5.3	5.3	.7	.7							13.3	7.6
S	.7	4.0	4.7	1.3								10.7	7.8
SSW	1.3											1.3	2.5
SW		.7	.7									1.3	6.5
WSW													
W	2.0	1.3										3.3	3.0
WNW			.7									.7	7.0
NW	1.3	1.3	2.0									4.7	5.6
NNW	2.0	3.3	4.7	1.3	.7							12.0	7.7
VARB													
CALM												7.3	
	18.0	32.7	30.0	10.0	2.0							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928

KINGSVILLE, TEXAS

73-77

NOV

STATION NAME

YEARS

MONTH

STATION

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	6.7	4.0	1.3							15.3	9.9
NNE	.7	4.0	2.7	1.3								6.7	7.3
NE	.7	.7	1.3									2.7	5.8
ENE		2.0	.7									2.7	6.3
E	1.3	.7	.7	1.3								4.0	7.5
ESE	1.3	.7	.7	.7								3.3	6.0
SE		2.7	1.3	2.0	1.3							7.3	11.2
SSE		2.7	4.0	4.7	.7							12.0	10.5
S	1.3	4.0	3.3	5.3	1.3	.7						16.0	10.5
SSW	.7	.7	.7	.7								2.7	7.5
SW	.7	.7	2.0									3.3	6.0
WSW	.7	.7										1.3	3.5
W	.7	2.7	.7									4.0	4.5
WNV													
NW	.7		2.0									2.7	7.8
NNW	2.0	.7	2.7	4.0	.7							10.0	9.3
VARBL													
CALM												4.0	
	11.3	25.3	29.3	24.0	5.3	.7						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER

CLASS

15

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	4.7	5.3								14.7	8.6
NNE	2.7	4.7	.7	.7								8.7	5.1
NE	.7	1.3	1.3	1.3								4.7	7.4
ENE		1.3		.7								2.0	8.3
E		2.0	.7	.7								3.3	8.0
ESE	.7	3.3	3.3	2.0								9.3	8.1
SE	.7	2.7	5.3	12.0	.7							21.3	11.0
SSE	.7	1.3	2.0	2.7	.7							7.3	9.6
S		2.0	2.0	2.0	1.3							7.3	10.8
SSW	.7											.7	3.0
SW	.7											.7	3.0
WSW													
W		1.3										1.3	5.5
WNW	.7		.7	.7								2.0	7.3
NW	.7	2.0	.7									3.3	4.8
NNW	2.0	1.3	2.0	4.0	1.3							10.7	9.8
VARBL													
CALM												2.7	
	11.3	26.7	23.3	32.0	4.0							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

NOV
MONTH

18

HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	0.0	3.3	1.3								12.7	6.6
NNE	1.3	.7	2.0									4.0	6.0
NE	2.7	1.3		1.3								5.3	5.9
ENE	4.7	2.0	.7									7.3	3.3
E	3.3	7.3										10.7	4.0
ESE	2.7	8.7	8.0									19.3	6.0
SE		3.3	6.7	5.3								15.3	9.3
SSE	1.3	2.0	2.7	2.7								8.7	8.9
S	1.3		.7									2.0	5.3
SSW													
SW													
WSW													
W	.7												
WNW												.7	2.0
NW		.7	1.3									2.0	7.3
NNW	.7	2.0	1.3	1.3	.7	.7						6.7	9.9
VARBL													
CALM												5.3	
	20.7	34.0	26.7	12.0	.7	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	6.0	3.3	.7								11.3	6.0
NNE	2.7	1.3	1.3	.7								6.0	6.0
NE	2.0			.7								2.7	4.3
ENE	3.3			.7								4.0	4.2
E	4.0	.7										4.7	2.3
ESE	6.7	6.0										12.7	3.5
SE	7.3	4.7	6.0									20.0	5.4
SSE	.7	4.0	2.7	2.0								9.3	7.8
S	1.3	5.3	.7		.7							8.0	6.0
SSW												.7	2.0
SW	.7												
WSW													
W	.7	.7										1.3	3.5
WNW	.7	.7										1.3	4.5
NW	.7											.7	3.0
NNW	.7	2.0	2.7	.7								6.0	7.4
VARBL													
CALM												11.3	
	32.7	31.3	16.7	5.3	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12920
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER

CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.9	4.1	2.2	.3							13.7	7.2
NNE	1.4	2.2	2.0	.8	.1							6.6	6.7
NE	1.2	.7	.6	.6								3.1	5.8
ENE	1.2	.9	.2	.2								2.5	4.5
E	1.7	1.6	.2	.2								3.7	4.4
ESE	2.1	2.7	1.7	.4								6.9	5.5
SE	2.2	3.6	3.4	2.4	.2							11.9	7.5
SSE	1.7	3.1	3.2	2.1	.3							10.4	7.8
S	1.5	2.7	2.2	1.3	.4	.1						8.2	7.9
SSW	.7	.2	.1	.1								1.0	4.4
SW	.6	.3	.3									1.2	4.5
WSW	.7	.1										.7	2.2
W	1.2	.9	.1									2.2	3.5
WNW	.7	.7	.2	.1								1.7	4.6
NW	1.6	1.3	1.3	.2		.1						4.5	5.8
NNW	4.6	2.3	4.7	1.7	.4	.1						9.9	7.3
VARBL													
CALM												11.7	
	23.3	28.2	22.2	12.3	1.8	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMJOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

75-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.9	3.2	2.6								13.6	6.7
NNE	1.9	1.3	1.9	1.3								6.5	7.3
NE		1.3	.9									1.9	6.0
ENE	.6	.6										1.3	3.5
E	1.3											1.3	1.5
ESE		2.0										2.6	4.5
SE	1.3	3.2										4.5	3.9
SSE	2.6	3.9	3.2	.6								10.4	6.1
S	.6	7.1	1.9	1.3								11.0	5.9
SSW	1.3	.6										1.9	3.3
SW	.6											.6	2.0
WSW	1.3	.6										1.9	2.7
W	1.9											1.9	2.7
WNW	.6	1.9	.6									3.2	5.2
NW	4.5	1.9		.6								7.1	3.7
NNW	1.9	3.2	2.6	1.3								9.1	6.6
VARBL													
CALM												20.8	
	24.7	32.5	14.3	7.8								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.1	8.4	5.2	1.9								22.6	5.7
NNE	.6	1.3	1.3	1.3								4.5	7.7
NE	1.3		.6									1.9	4.0
ENE	1.3											1.3	1.0
E	1.3	.6										1.9	4.0
ESE	3.2	.6										3.9	2.7
SE		1.3	.6									1.9	6.3
SSE		3.2	3.2									6.5	6.6
S		5.6	2.6	1.3								9.7	6.9
SSW	.6	1.9										2.6	3.8
SW													
WSW	1.9	.6										2.6	3.3
W	.6											.6	2.0
WNW	5.8	.6										6.5	2.8
NW	1.3	1.9	.6									3.9	5.0
NNW	3.9	5.6	1.9	1.3	.6							13.5	6.0
VARBL													
CALM												16.1	
	29.0	32.3	16.1	5.8	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0880

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	3.2	4.5	1.9								15.5	6.3
NNE	1.9	4.5	3.2	1.3								11.0	6.9
NE		.6										.6	4.0
ENE	.6	.6										1.3	4.5
E													
ESE	.6		.6									1.3	5.0
SE	2.6	1.9	1.3	.6								6.5	4.9
SSE	1.3		3.9									5.2	7.0
S	.6	5.2	1.3									7.1	5.5
SSW		3.2										3.2	4.6
SW	1.3	1.3										2.6	3.8
WSW	1.3											1.3	2.5
W	.6		.6									1.3	5.0
WNW		1.9	.6									2.6	5.8
NW	2.6	5.2		.6								8.4	4.7
NNW	3.2	6.5	1.9	1.3								12.9	5.7
VARBL													
CALM												19.4	
	22.6	34.2	18.1	5.8								100.0	4.6

DIRNAVOCEANMET SMOS

0000

0800

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	9.0	3.2	2.6	1.3							20.6	7.2
NNE	2.6		3.2	1.9								7.7	7.5
NE	.6	2.6	1.3	1.3								5.8	6.9
ENE		.6										.6	6.0
E	1.3											1.3	2.5
ESE		1.3										1.3	4.0
SE	.6	1.3	1.9									3.9	6.0
SSE		.6	3.9	1.3								5.8	10.0
S	1.3	3.9	3.2	1.3								9.7	6.7
SSW	.6	1.3	1.9									3.9	6.0
SW	.6	1.3	.6									2.6	5.8
WSW	1.3	1.3										2.6	3.0
W	.6	1.3										1.9	3.7
WNW	.6	1.3	1.9									3.2	5.0
NW	.6	.6	1.9									3.2	6.8
NNW	.6	5.8	3.9	1.3		.6						12.3	8.1
VARBL													
CALM												13.5	
	14.2	32.3	26.4	9.7	1.3	.6						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.5	3.2	3.2	.6	.6						14.2	9.0
NNE	1.9	3.9	5.2	1.3								12.3	7.1
NE		1.9	1.9	.6								4.5	7.6
ENE	.6		.6									1.3	5.0
E		1.9	.6	.6								3.2	7.6
ESE	.6	.6										1.3	3.5
SE	1.3	.6	1.3	1.3								4.5	7.4
SSE		3.9	2.6	3.2	1.3							11.0	9.8
S	.6	1.9	3.2	6.5	1.9	1.3						15.5	12.7
SSW	.6	1.9	1.9	1.9								6.5	7.7
SW			.6									.6	9.0
WSW	.6											.6	3.0
W	1.3	1.3										2.6	4.0
WNW		2.6	1.9									4.5	6.1
NW	.6	1.3	1.9	.6								4.5	6.7
NNW	2.6	.6	3.9	3.2	1.3							11.0	9.5
VARBL													
CALM												1.3	
	12.9	27.1	29.0	22.6	5.2	1.9						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

73-77

YEARS

DEC

MONTH

15

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	6.5	4.5	3.9	.6							17.4	8.2
NNE	1.9	1.9										3.9	4.2
NE	.6	1.9	1.9	.6								5.2	6.3
ENE		.6	1.9	.6								2.6	8.0
E	1.9	2.0	2.6									7.1	6.2
ESE		1.9	.6	.6								2.6	8.3
SE		1.9	3.2	4.5	1.9							11.0	11.8
SSE		.6	1.9	1.3								3.9	10.0
S		1.9	5.2	5.2	.6							12.9	10.7
SSW			1.3	.6								1.9	11.0
SW		2.0	.6									3.2	5.8
WSW	.6	.6	.6									1.9	5.7
W		1.3	.6	.6								2.6	7.5
WNW	1.3		1.3	1.3								3.9	7.3
NW		1.3	.6	1.9								3.9	9.2
NNW	.6	4.5	4.5	2.6								12.3	7.8
VARBL													
CALM													
	9.0	29.7	31.0	23.9	2.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.9	3.9	1.9	.6							13.5	7.3
NNE	3.9	3.9	1.3	1.3								10.3	5.3
NE	1.3	2.6	1.3									5.2	5.5
ENE	1.3	1.9										3.2	4.0
E	2.6	3.9										6.5	3.6
ESE	.6	6.5	.6									7.7	4.6
SE	1.3	5.2	5.8	5.2								17.4	8.0
SSE	1.3	3.2	2.6	.6								7.7	5.8
S	.6	2.6	.6									3.9	5.0
SSW		.6										.6	4.0
SW													
WSW	.6											.6	2.0
W		.6										.6	4.0
WNW	.6	1.3	.6									2.6	5.3
NW	.6	1.9	1.3									3.9	5.3
NNW	1.9	3.2	3.2	.6								9.0	5.7
VARBL													
CALM												7.1	
	20.0	41.3	21.3	9.7	.6							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
12928

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

DEC

MONTH

21

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	5.2	5.8	2.6	.6							20.6	6.5
NNE	.6	1.1	3.9	.6								6.5	7.9
NE	2.6	1.9										4.5	3.6
ENE	1.9	1.3										3.2	2.8
E	4.5	1.3										5.8	2.8
ESE	2.6	1.9										4.5	2.9
SE	2.6	5.8	3.9									12.3	5.4
SSE	2.6	4.2	5.2									12.3	6.0
S	1.3	3.9	3.2									8.4	5.5
SSW													
SW	1.3											1.3	2.5
WSW	.6											.6	1.0
W		.6										.6	5.0
WNW													
NW		2.6	1.3									3.9	6.0
NNW	.6	1.3	1.3									3.2	6.0
VARBL													
CALM												12.3	
	27.7	31.6	24.5	3.2	.6							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	5.6	4.4	2.6	.5	.1						17.3	7.0
NNE	1.9	2.3	2.5	1.1								7.8	6.8
NE	.8	1.6	1.0	.3								3.7	5.8
ENE	.8	.7	.2	.1								1.9	4.3
E	1.6	1.3	.4	.1								3.4	4.5
ESE	1.0	1.9	.2	.1								3.1	4.3
SE	1.2	2.7	2.3	1.5	.2							7.7	7.3
SSE	1.0	2.5	3.3	.9	.2							7.3	7.4
S	.6	4.0	2.7	1.9	.3	.2						9.8	8.2
SSW	.4	1.2	.6	.3								2.6	6.2
SW	.5	.6	.2									1.4	4.9
WSW	1.0	.4	.1									1.5	3.2
W	.6	.6	.2	.1								1.5	4.5
WNW	1.1	1.2	.6	.2								3.3	5.1
NW	1.3	2.1	1.0	.5								4.8	5.6
NNW	1.9	3.9	2.9	1.5	.2	.1						10.5	7.0
VARBL													
CALM												11.8	
	20.0	32.6	22.8	11.1	1.4	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

1239

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

ALL
MONTH

ALL WEATHER

CLASS

ALL

MOORE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	2.9	1.5	.3	.0						9.4	7.3
NNE	1.3	1.0	1.9	1.0	.1							6.0	6.9
NE	.3	1.1	1.0	.3	.0							3.3	6.2
ENE	1.1	1.1	.7	.3	.0							3.2	5.6
E	2.3	2.3	2.3	.8	.0	.0						7.7	6.0
ESE	1.9	2.9	4.1	3.6	.4	.0						12.9	8.5
SE	1.9	3.7	5.0	3.8	.4	.0	.0					14.8	8.4
SSE	1.6	3.4	3.7	2.7	.3	.1						12.1	8.3
S	1.2	2.4	2.4	1.5	.2	.1						7.7	7.6
SSW	.3	.0	.3	.2	.0							1.5	6.1
SW	.4	.3	.1	.0								.8	4.5
WSW	.6	.2	.1	.0								.8	3.4
W	.6	.4	.1	.0	.0		.0					1.2	4.4
WNW	.5	.3	.3	.1	.0	.0	.0					1.4	6.0
NW	.7	.0	.5	.3	.1	.0						2.3	6.3
NNW	1.3	1.4	1.2	.9	.2	.1						5.0	7.3
VARBL													
CALM												9.9	
	18.4	25.0	26.6	17.0	2.3	.3	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

14607

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

12928 STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

ALL MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL

ALL

HOURS (L.S.T.)

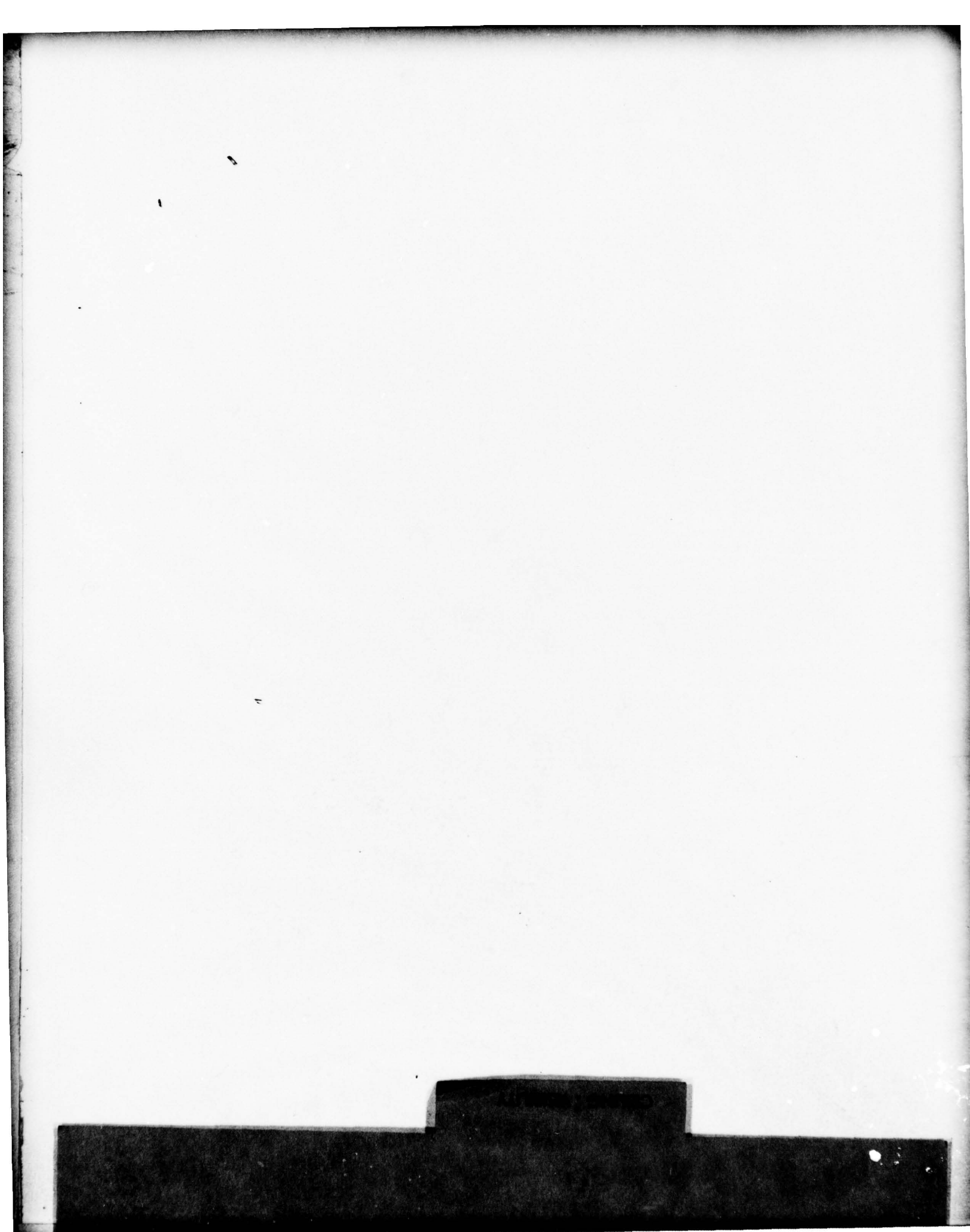
5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.7	6.4	2.6	.7							15.1	8.3
NNE	1.5	2.5	3.4	2.3	.1							9.7	7.8
NE	.8	1.1	2.0	.9	.1							4.9	7.8
ENE	.8	1.1	.7	.2	.0							2.9	6.0
E	1.5	2.1	1.9	.2		.0						5.7	5.7
ESE	1.3	2.1	3.1	2.2	.1							8.8	8.2
SE	1.1	2.4	5.0	3.1	.2							11.8	8.8
SSE	.7	2.3	3.7	3.1	.4	.0						10.3	9.2
S	.7	1.5	2.7	1.5	.1							6.4	8.3
SSW	.1	.4	.4	.0								1.0	6.3
SW	.2	.3	.1									.6	4.5
WSW	.3	.2	.0									.5	4.2
W	.2	.4	.2	.0								.9	5.6
WNW	.2	.3	.7	.1								1.5	6.8
NW	.5	1.3	1.1	.4								3.4	6.4
NNW	1.5	2.1	2.3	1.8	.1							8.3	7.0
VARBL													
CALM												8.0	
	13.0	24.0	34.3	15.6	2.0	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

2066

DIRNAVOCEANMET SMOS



NWSD, Federal Building

Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	34.8	40.0	41.3	41.9	41.9	41.9	41.9	41.9	41.9	42.6	43.2	43.2
≥ 20000	36.1	42.6	43.9	44.5	44.5	44.5	44.5	44.5	44.5	45.2	45.8	45.8
≥ 18000	36.1	42.6	43.9	44.5	44.5	44.5	44.5	44.5	44.5	45.2	45.8	45.8
≥ 16000	36.8	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.8	46.5	46.5
≥ 14000	36.8	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.8	46.5	46.5
≥ 12000	36.8	43.9	45.2	45.8	45.8	45.8	45.8	45.8	45.8	46.5	47.1	47.1
≥ 10000	37.4	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.7	47.7
≥ 9000	37.4	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.7	47.7
≥ 8000	37.4	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.7	47.7
≥ 7000	37.4	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.7	47.7
≥ 6000	37.4	45.2	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.7	48.4	48.4
≥ 5000	39.4	47.1	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.7	50.3	50.3
≥ 4500	40.7	48.4	49.7	50.3	50.3	50.3	50.3	50.3	50.3	51.0	51.6	51.6
≥ 4000	41.3	49.0	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.6	52.3	52.3
≥ 3500	42.6	50.3	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.9	53.6	53.6
≥ 3000	43.9	51.6	52.9	53.6	53.6	53.6	53.6	53.6	53.6	54.2	54.8	54.8
≥ 2500	44.5	54.2	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.8	57.4	57.4
≥ 2000	46.5	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.9	62.6	62.6
≥ 1800	47.1	60.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	62.6	63.2	63.2
≥ 1500	47.1	63.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.8	66.5	66.5
≥ 1200	49.7	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.7	70.3	70.3
≥ 1000	50.3	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.9	73.6	73.6
≥ 900	51.0	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.8	75.5	75.5
≥ 800	51.0	73.6	74.9	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.8	76.8
≥ 700	51.0	76.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.7	80.7
≥ 600	51.0	78.7	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.9	82.6	82.6
≥ 500	51.0	81.3	82.6	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	85.8
≥ 400	51.0	81.9	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.7	88.4	88.4
≥ 300	51.0	82.6	85.8	87.7	87.7	87.7	87.7	87.7	87.7	88.4	89.0	89.0
≥ 200	51.0	83.2	86.5	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.7	89.7
≥ 100	51.0	83.2	86.5	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.7	89.7
0	51.0	83.2	86.5	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.7	34.2	36.8	39.4	39.4	39.4	39.4	39.4	39.4	40.0	40.7	41.3	41.9
≥ 20000	30.3	34.8	37.4	40.0	40.0	40.0	40.0	40.0	40.0	40.7	41.3	41.9	42.6
≥ 18000	30.3	34.8	37.4	40.0	40.0	40.0	40.0	40.0	40.0	40.7	41.3	41.9	42.6
≥ 16000	30.3	34.8	37.4	40.0	40.0	40.0	40.0	40.0	40.0	40.7	41.3	41.9	42.6
≥ 14000	30.3	34.8	37.4	40.0	40.0	40.0	40.0	40.0	40.0	40.7	41.3	41.9	42.6
≥ 12000	30.3	34.8	37.4	40.0	40.0	40.0	40.0	40.0	40.0	40.7	41.3	41.9	42.6
≥ 10000	31.6	36.1	38.7	41.3	41.3	41.3	41.3	41.3	41.3	41.9	42.6	43.2	43.9
≥ 9000	31.6	36.1	38.7	41.3	41.3	41.3	41.3	41.3	41.3	41.9	42.6	43.2	43.9
≥ 8000	31.6	36.1	38.7	41.3	41.3	41.3	41.3	41.3	41.3	41.9	42.6	43.2	43.9
≥ 7000	31.6	36.1	38.7	41.3	41.3	41.3	41.3	41.3	41.3	41.9	42.6	43.2	43.9
≥ 6000	31.6	36.1	38.7	41.3	41.3	41.3	41.3	41.3	41.3	41.9	42.6	43.2	43.9
≥ 5000	32.3	36.8	39.4	41.9	41.9	41.9	41.9	41.9	41.9	42.6	43.2	43.9	44.5
≥ 4500	32.9	37.4	40.0	42.6	42.6	42.6	42.6	42.6	42.6	43.2	43.9	44.5	45.2
≥ 4000	33.6	39.4	41.9	44.5	44.5	44.5	44.5	44.5	44.5	45.2	45.8	46.5	47.1
≥ 3500	35.5	41.3	43.9	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.7	48.4	49.0
≥ 3000	36.1	41.9	44.5	47.1	47.1	47.1	47.1	47.1	47.1	47.7	48.4	49.0	49.7
≥ 2500	36.1	44.5	47.1	49.7	49.7	49.7	49.7	49.7	49.7	50.3	51.0	51.6	52.3
≥ 2000	40.0	47.7	50.3	52.9	52.9	52.9	52.9	52.9	52.9	53.6	54.2	54.8	55.5
≥ 1800	40.7	50.3	52.9	55.5	55.5	55.5	55.5	55.5	55.5	56.1	56.8	57.4	58.1
≥ 1500	40.7	54.2	56.8	59.4	59.4	59.4	59.4	59.4	59.4	60.0	60.7	61.3	62.0
≥ 1200	41.9	56.1	58.7	61.3	61.3	61.3	61.3	61.3	61.3	61.9	62.6	63.2	63.9
≥ 1000	43.9	60.7	63.2	65.8	65.8	65.8	65.8	65.8	65.8	66.4	67.1	67.7	68.4
≥ 900	43.9	61.3	63.9	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.7	68.4	69.0
≥ 800	44.5	65.8	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.6	72.3	72.9	73.6
≥ 700	44.5	67.7	70.3	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.8	75.5	76.1
≥ 600	44.5	71.0	74.2	77.4	77.4	77.4	77.4	77.4	77.4	78.0	78.7	79.4	80.0
≥ 500	44.5	74.2	77.4	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.9	82.6	83.2
≥ 400	44.5	74.2	77.4	81.3	81.3	81.3	81.3	81.3	81.3	81.9	82.6	83.2	83.9
≥ 300	44.5	75.5	78.7	83.2	83.2	83.2	83.2	83.2	83.2	83.9	84.5	85.2	85.8
≥ 200	44.5	75.5	79.4	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	86.5	87.1
≥ 100	44.5	75.5	79.4	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	86.5	87.1
0	44.5	75.5	79.4	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.8	86.5	87.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12923
STATION

KINGVILLE, TEXAS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	26.5	32.3	32.9	32.9	32.9	33.6	34.8	34.8	34.8	35.5	36.1	36.8	38.7	39.4
≥ 20000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 18000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 16000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 14000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 12000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 10000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 9000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 8000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 7000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 6000	27.1	33.6	34.8	34.8	34.8	35.5	37.4	37.4	37.4	38.1	38.7	39.4	41.3	41.9
≥ 5000	27.7	34.2	35.5	35.5	35.5	36.1	38.1	38.1	38.1	38.7	39.4	40.0	41.9	42.6
≥ 4500	27.7	34.8	36.1	36.1	36.1	36.8	38.7	38.7	38.7	39.4	40.0	40.7	42.6	43.2
≥ 4000	30.3	37.4	38.7	38.7	38.7	39.4	41.3	41.3	41.3	41.9	42.6	43.2	45.2	45.8
≥ 3500	31.0	38.1	39.4	39.4	39.4	40.0	41.9	41.9	41.9	42.6	43.2	43.9	45.8	46.5
≥ 3000	31.6	38.7	40.7	40.7	40.7	41.3	43.2	43.2	43.2	43.9	44.5	45.2	47.1	47.7
≥ 2500	32.9	40.7	42.6	43.2	43.2	43.9	45.8	45.8	45.8	46.5	47.1	47.7	49.7	50.3
≥ 2000	34.8	44.5	47.1	47.7	47.7	48.4	50.3	50.3	50.3	51.0	51.6	52.3	54.2	54.8
≥ 1800	35.5	45.2	47.7	48.4	48.4	49.0	51.0	51.0	51.0	51.6	52.3	52.9	54.8	55.5
≥ 1500	36.1	47.7	51.0	51.6	51.6	52.3	54.2	54.2	54.2	54.8	55.5	56.1	58.1	58.7
≥ 1200	37.4	49.7	53.6	54.2	54.2	54.8	56.8	56.8	56.8	57.4	58.1	58.7	60.7	61.3
≥ 1000	39.4	53.6	58.1	58.7	58.7	59.4	61.9	61.9	61.9	62.6	63.2	63.9	65.8	66.5
≥ 900	39.4	54.8	59.4	60.0	60.0	60.7	63.2	63.2	63.2	63.9	64.5	65.2	67.1	67.7
≥ 800	40.7	58.7	63.2	63.9	63.9	64.5	67.1	67.1	67.1	67.7	68.4	69.0	71.0	71.6
≥ 700	40.7	61.3	65.8	66.5	66.5	67.1	69.7	69.7	69.7	70.3	71.0	71.6	73.6	74.2
≥ 600	40.7	63.9	69.0	69.7	69.7	70.3	72.9	72.9	72.9	73.6	74.2	74.8	76.8	77.4
≥ 500	40.7	65.2	70.3	71.0	71.0	71.6	74.2	74.2	74.2	74.8	75.5	76.1	78.1	78.7
≥ 400	41.3	67.7	74.2	75.5	75.5	76.1	79.4	79.4	79.4	81.3	81.9	82.6	85.8	86.5
≥ 300	41.3	68.4	74.8	76.1	76.8	77.4	81.3	81.3	81.3	83.2	83.9	84.5	87.7	89.0
≥ 200	41.3	68.4	75.5	76.8	77.4	78.1	82.6	82.6	82.6	86.5	87.1	87.7	91.6	92.9
≥ 100	41.3	68.4	75.5	76.8	78.1	78.7	83.2	83.2	83.2	87.7	88.4	89.0	93.6	95.5
0	41.3	68.4	75.5	76.8	78.1	78.7	83.2	83.2	83.2	87.7	88.4	89.0	93.6	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

12928
STATIONKINGVILLE, TEXAS
STATION NAME

73-77

STATION NAME

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	16.1	27.1	27.7	27.7	26.4	29.0	29.0	29.0	29.0	29.0	29.7	29.7	29.7	30.3
≥ 20000	18.7	31.0	31.6	32.3	32.9	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.8
≥ 18000	18.7	31.0	31.6	32.3	32.9	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.8
≥ 16000	18.7	31.0	31.6	32.3	32.9	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.8
≥ 14000	18.7	31.0	31.6	32.3	32.9	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.8
≥ 12000	18.7	31.0	31.6	32.3	32.9	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.8
≥ 10000	19.4	32.9	33.6	34.2	34.8	35.5	36.1	36.1	36.1	36.1	36.8	36.8	36.8	37.4
≥ 9000	20.0	33.6	34.2	34.8	35.5	36.1	36.8	36.8	36.8	36.8	37.4	37.4	37.4	38.1
≥ 8000	20.0	34.2	34.8	35.5	36.1	36.8	37.4	37.4	37.4	37.4	38.1	38.1	38.1	38.7
≥ 7000	20.0	34.8	35.5	36.1	36.8	37.4	38.1	38.7	38.7	38.7	39.4	39.4	39.4	40.0
≥ 6000	20.7	35.5	36.1	36.8	37.4	38.1	38.7	39.4	39.4	39.4	40.0	40.0	40.0	40.7
≥ 5000	21.3	37.4	38.1	38.7	40.0	40.7	41.3	41.3	41.3	41.3	41.9	41.9	41.9	42.6
≥ 4500	21.3	37.4	38.1	38.7	40.0	40.7	41.3	41.3	41.3	41.3	41.9	41.9	41.9	42.6
≥ 4000	21.9	39.4	40.0	40.7	41.3	42.0	42.6	43.2	43.2	43.2	43.9	43.9	43.9	44.5
≥ 3500	22.6	40.0	40.7	41.3	42.0	42.6	43.2	43.9	43.9	43.9	44.5	44.5	44.5	45.2
≥ 3000	23.2	40.7	41.3	41.9	42.6	43.2	43.9	44.5	44.5	44.5	45.2	45.2	45.2	45.8
≥ 2500	24.5	43.2	43.9	44.5	45.8	46.5	47.1	47.1	47.1	47.1	47.7	47.7	47.7	48.4
≥ 2000	24.5	43.9	44.5	45.8	47.1	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7
≥ 1800	24.5	44.5	45.2	47.1	48.4	49.0	49.7	49.7	49.7	49.7	50.3	50.3	50.3	51.0
≥ 1500	25.2	46.5	47.1	49.7	51.6	52.3	52.9	52.9	52.9	52.9	53.6	53.6	53.6	54.2
≥ 1200	25.8	49.7	50.3	52.9	54.8	55.5	56.8	56.8	56.8	56.8	57.4	57.4	57.4	58.1
≥ 1000	25.8	52.9	55.5	58.1	60.0	60.7	61.9	61.9	61.9	61.9	62.6	62.6	62.6	63.2
≥ 900	26.5	54.2	56.8	60.0	61.9	62.6	63.9	63.9	63.9	63.9	64.5	64.5	64.5	65.2
≥ 800	26.5	56.1	59.4	63.2	65.2	66.5	68.4	68.4	68.4	69.0	69.7	69.7	69.7	70.3
≥ 700	26.5	58.1	61.3	65.8	68.4	70.3	72.3	72.3	72.3	73.6	74.2	74.2	74.2	74.8
≥ 600	26.5	58.1	61.3	67.1	69.7	71.6	73.6	74.8	74.8	75.5	76.1	76.1	76.1	76.8
≥ 500	26.5	60.0	63.9	69.7	72.9	74.8	76.8	79.4	79.4	80.7	81.3	81.3	81.3	81.9
≥ 400	26.5	61.3	65.2	71.0	75.5	77.4	80.0	82.5	82.5	85.2	85.8	85.8	85.8	86.5
≥ 300	26.5	61.3	65.2	71.0	75.5	78.1	80.7	83.9	83.9	87.1	88.4	88.4	88.4	89.0
≥ 200	26.5	61.9	65.8	71.6	76.1	79.4	81.9	85.8	86.5	90.3	92.3	92.3	92.3	94.8
≥ 100	26.5	61.9	65.8	71.6	76.1	79.4	81.9	85.8	86.5	90.3	92.3	92.3	92.3	96.8
≥ 0	26.5	61.9	65.8	71.6	76.1	79.4	81.9	85.8	86.5	90.3	92.3	92.3	92.3	96.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1292R
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	27.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000	30.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	30.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	31.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	31.0	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 12000	31.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	31.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	31.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	32.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 7000	32.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	32.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 5000	32.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4500	32.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4000	32.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 3500	33.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3000	35.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 2500	38.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 2000	40.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 1800	40.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 1500	41.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 1200	41.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 1000	41.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 900	41.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 800	41.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 700	41.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 600	42.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 500	42.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 400	42.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 300	42.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 200	42.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 100	42.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
0	42.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928

STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	30.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	38.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	38.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	38.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	38.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	38.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	39.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	39.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	39.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	40.0	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	40.7	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	41.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	41.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4000	42.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 3500	42.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	45.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500	47.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000	49.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	49.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1500	49.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1200	49.0	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000	49.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 900	49.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	49.0	81.9	81.9	82.6	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 700	49.0	82.6	82.6	85.8	85.8	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	49.0	84.5	84.5	87.7	87.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500	49.0	84.5	84.5	89.7	89.7	90.3	92.9	92.9	92.9	92.9	93.6	93.6	93.6
≥ 400	49.0	84.5	84.5	90.3	90.3	92.9	95.5	95.5	95.5	95.5	96.1	96.1	96.1
≥ 300	49.0	84.5	84.5	90.3	90.3	92.9	96.8	96.8	96.8	98.1	98.7	99.4	99.4
≥ 200	49.0	84.5	84.5	90.3	90.3	92.9	96.8	96.8	96.8	98.1	99.4	100.0	100.0
≥ 100	49.0	84.5	84.5	90.3	90.3	92.9	96.8	96.8	96.8	98.1	99.4	100.0	100.0
≥ 0	49.0	84.5	84.5	90.3	90.3	92.9	96.8	96.8	96.8	98.1	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JAN
MONTH

18

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	32.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	41.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	41.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	41.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	41.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	41.9	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	44.5	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	44.5	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	45.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	46.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	46.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	47.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	47.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	48.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	49.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	50.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	50.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	51.0	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	51.0	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500	51.0	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1200	51.0	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1000	51.0	77.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 900	51.0	77.4	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 800	51.0	79.4	80.7	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 700	51.0	80.7	81.9	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 600	51.0	80.7	82.6	83.9	85.8	85.8	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	51.0	81.9	83.9	85.8	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	51.0	81.9	83.9	85.8	89.7	90.3	92.3	93.6	93.6	93.6	93.6	93.6
≥ 300	51.0	81.9	83.9	85.8	90.3	91.0	92.9	94.8	96.1	96.8	97.4	97.4
≥ 200	51.0	81.9	83.9	85.8	91.0	91.6	93.6	95.5	97.4	98.1	99.4	99.4
≥ 100	51.0	81.9	83.9	85.8	91.0	91.6	93.6	95.5	97.4	98.1	99.4	99.4
≥ 0	51.0	81.9	83.9	85.8	91.0	91.6	93.6	95.5	97.4	98.1	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12920
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.0	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	43.9	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	43.9	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	43.9	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	43.9	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	43.9	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	43.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	43.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	44.5	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	45.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 6000	45.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	46.5	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	46.5	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	47.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3500	49.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000	49.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 2500	51.0	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	52.9	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1800	52.9	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 1500	53.6	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1200	53.6	72.9	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1000	54.8	75.5	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 900	55.5	76.1	76.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 800	55.5	77.4	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 700	55.5	77.4	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 600	55.5	80.0	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 500	55.5	81.3	84.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	55.5	82.6	85.8	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	55.5	82.6	85.8	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 200	55.5	82.6	85.8	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 100	55.5	82.6	85.8	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0	55.5	82.6	85.8	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

125

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	29.8	36.9	37.7	38.1	38.2	38.3	38.5	38.5	38.5	38.7	39.0	39.2	39.5
≥ 20000	33.4	42.2	43.0	43.5	43.6	43.7	44.0	44.0	44.0	44.2	44.5	44.7	45.0
≥ 18000	33.4	42.2	43.0	43.5	43.6	43.7	44.0	44.0	44.0	44.2	44.5	44.7	45.0
≥ 16000	33.6	42.3	43.2	43.6	43.7	43.9	44.1	44.1	44.1	44.4	44.7	44.8	45.2
≥ 14000	33.6	42.3	43.2	43.6	43.7	43.9	44.1	44.1	44.1	44.4	44.7	44.8	45.2
≥ 12000	33.6	42.3	43.2	43.6	43.7	43.9	44.1	44.1	44.1	44.4	44.7	44.8	45.2
≥ 10000	34.4	44.1	44.9	45.4	45.5	45.7	46.0	46.0	46.0	46.2	46.5	46.7	47.0
≥ 9000	34.4	44.2	45.0	45.5	45.6	45.7	46.1	46.1	46.1	46.3	46.6	46.8	47.1
≥ 8000	34.8	45.7	46.0	47.1	47.2	47.3	47.7	47.7	47.7	47.9	48.2	48.4	48.7
≥ 7000	35.0	46.3	47.2	47.7	47.8	48.0	48.3	48.3	48.3	48.6	48.9	49.0	49.4
≥ 6000	35.3	46.7	47.6	48.1	48.2	48.4	48.7	48.7	48.7	49.0	49.3	49.4	49.8
≥ 5000	36.1	48.1	49.0	49.4	49.6	49.8	50.1	50.1	50.1	50.3	50.7	50.8	51.1
≥ 4500	36.5	48.6	49.4	49.9	50.1	50.2	50.6	50.6	50.6	50.8	51.1	51.3	51.6
≥ 4000	37.3	49.8	50.7	51.2	51.4	51.5	51.9	51.9	51.9	52.1	52.4	52.6	52.9
≥ 3500	38.3	51.2	52.1	52.6	52.7	52.9	53.2	53.2	53.2	53.5	53.8	54.0	54.3
≥ 3000	39.4	52.4	53.4	53.9	54.0	54.2	54.5	54.5	54.5	54.8	55.1	55.2	55.6
≥ 2500	40.8	55.1	56.1	56.6	56.8	56.9	57.3	57.3	57.3	57.5	57.8	58.0	58.3
≥ 2000	42.3	58.9	60.1	60.8	61.0	61.1	61.5	61.5	61.5	61.7	62.0	62.2	62.5
≥ 1800	42.6	59.8	61.0	61.8	62.0	62.2	62.5	62.5	62.5	62.7	63.1	63.2	63.6
≥ 1500	43.0	62.7	64.0	64.9	65.2	65.4	65.7	65.7	65.7	66.0	66.3	66.5	66.8
≥ 1200	43.7	64.4	65.8	66.7	67.2	67.3	67.7	67.7	67.7	68.0	68.3	68.5	68.8
≥ 1000	44.5	67.7	69.5	70.7	71.1	71.3	71.6	71.6	71.6	72.0	72.3	72.6	73.1
≥ 900	44.8	68.8	70.7	72.0	72.5	72.7	73.5	73.5	73.5	73.7	74.0	74.2	74.5
≥ 800	45.0	70.8	72.7	74.4	74.9	75.2	76.3	76.3	76.3	76.6	76.9	77.1	77.4
≥ 700	45.0	72.4	74.4	76.7	77.3	77.7	78.9	79.0	79.0	79.3	79.6	79.8	80.1
≥ 600	45.1	74.1	76.5	79.2	80.1	80.7	82.1	82.3	82.3	82.7	83.0	83.2	83.5
≥ 500	45.1	75.8	78.6	81.5	83.0	83.6	85.2	85.6	85.6	86.1	86.5	86.7	87.0
≥ 400	45.2	76.5	79.8	83.2	85.3	86.2	88.0	88.7	88.7	89.8	90.3	90.5	91.0
≥ 300	45.2	76.9	80.1	83.7	86.2	87.8	89.4	90.3	90.4	92.1	92.8	93.0	93.6
≥ 200	45.2	77.0	80.4	84.1	86.7	88.3	90.2	91.3	91.5	93.6	94.6	94.8	95.5
≥ 100	45.2	77.0	80.4	84.1	86.8	87.9	90.3	91.5	91.5	94.0	95.0	95.2	96.3
≥ 0	45.2	77.0	80.4	84.1	86.8	87.9	90.3	91.5	91.5	94.0	95.0	95.2	96.3

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12920
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	51.1	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	55.3	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	55.3	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	55.3	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	55.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	55.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	56.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	56.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	56.7	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	57.5	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000	57.5	68.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 5000	58.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	58.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	58.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	59.6	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	60.3	73.8	74.5	74.5	74.5	74.5	74.5	74.5	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	61.7	76.6	77.3	77.3	77.3	77.3	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	62.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800	62.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1500	63.1	80.9	81.6	81.6	81.6	81.6	81.6	81.6	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	63.8	81.6	82.3	82.3	82.3	82.3	82.3	82.3	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	63.8	82.3	83.0	83.0	83.0	83.0	83.0	83.0	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	64.5	83.0	83.7	83.7	83.7	83.7	83.7	83.7	85.1	85.1	85.1	85.1	85.1	85.1
≥ 800	65.3	84.4	85.1	85.1	85.1	85.1	85.1	85.1	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	66.0	86.5	87.2	87.2	87.2	87.2	87.2	87.2	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	66.0	87.2	87.9	87.9	87.9	87.9	87.9	87.9	90.8	90.8	90.8	90.8	90.8	90.8
≥ 500	66.0	88.7	90.1	90.1	90.1	90.1	90.1	90.1	92.9	92.9	92.9	92.9	92.9	92.9
≥ 400	66.0	89.4	90.8	90.8	90.8	90.8	90.8	90.8	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	66.0	89.4	90.8	90.8	90.8	90.8	90.8	90.8	95.0	95.0	95.0	95.0	95.0	95.0
≥ 200	66.0	89.4	90.8	90.8	90.8	90.8	90.8	90.8	95.7	95.7	95.7	95.7	95.7	95.7
≥ 100	66.0	89.4	90.8	90.8	90.8	90.8	90.8	90.8	95.7	95.7	95.7	95.7	95.7	95.7
≥ 0	66.0	89.4	90.8	90.8	90.8	90.8	90.8	90.8	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	30.3	48.9	51.1	52.5	53.9	54.9	55.3	55.3	56.0	56.0	56.0	56.7	57.5
≥ 20000	41.1	52.5	54.0	56.0	57.5	57.5	58.9	58.9	59.6	59.6	59.6	61.0	61.7
≥ 18000	41.1	52.5	54.0	56.0	57.5	57.5	58.9	58.9	59.6	59.6	59.6	61.0	61.7
≥ 16000	41.1	52.5	54.0	56.0	57.5	57.5	58.9	58.9	59.6	59.6	59.6	61.0	61.7
≥ 14000	41.1	52.5	54.0	56.0	57.5	57.5	58.9	58.9	59.6	59.6	59.6	61.0	61.7
≥ 12000	41.1	52.5	54.0	56.0	57.5	57.5	58.9	58.9	59.6	59.6	59.6	61.0	61.7
≥ 10000	41.1	52.5	54.0	56.0	57.5	57.5	58.9	58.9	59.6	59.6	59.6	61.0	61.7
≥ 9000	42.6	54.6	56.7	58.2	59.6	59.6	60.3	60.3	61.0	61.0	61.0	62.4	63.1
≥ 8000	43.3	55.3	57.5	58.9	60.3	60.3	61.7	61.7	62.4	62.4	62.4	63.8	64.5
≥ 7000	44.0	57.5	59.0	61.0	62.4	62.4	63.8	63.8	64.5	64.5	64.5	66.0	66.7
≥ 6000	44.7	58.9	61.0	62.4	63.8	63.8	65.3	65.3	66.0	66.0	66.0	67.4	68.1
≥ 5000	45.4	59.6	61.7	63.1	64.5	64.5	66.0	66.0	66.7	66.7	66.7	68.1	68.8
≥ 4500	45.4	59.6	61.7	63.1	64.5	64.5	66.0	66.0	66.7	66.7	66.7	68.1	68.8
≥ 4000	45.4	59.6	61.7	63.1	64.5	64.5	66.0	66.0	66.7	66.7	66.7	68.1	68.8
≥ 3500	45.4	59.6	61.7	63.1	64.5	64.5	66.0	66.0	66.7	66.7	66.7	68.1	68.8
≥ 3000	46.8	61.0	63.1	64.5	66.0	66.0	68.1	68.1	68.8	68.8	68.8	70.2	70.9
≥ 2500	50.4	66.0	68.1	69.5	70.9	70.9	73.1	73.1	73.8	73.8	73.8	75.2	75.9
≥ 2000	50.4	66.0	68.1	69.5	70.9	70.9	73.1	73.1	73.8	73.8	73.8	75.2	75.9
≥ 1800	51.1	67.4	70.2	71.6	73.1	73.1	75.2	75.2	75.9	75.9	75.9	77.3	78.0
≥ 1500	52.5	70.9	74.5	75.9	77.3	77.3	79.4	79.4	80.1	80.1	80.1	82.3	83.0
≥ 1200	53.2	71.6	75.2	76.6	78.0	78.0	80.1	80.1	80.9	80.9	80.9	82.3	83.0
≥ 1000	53.9	73.8	77.3	78.7	80.1	80.1	82.3	82.3	83.0	83.0	83.0	85.1	85.8
≥ 900	54.6	74.5	78.0	79.4	80.9	80.9	83.0	83.0	83.7	83.7	83.7	85.8	86.5
≥ 800	54.6	74.5	78.0	79.4	80.9	80.9	83.0	83.0	83.7	83.7	83.7	85.8	86.5
≥ 700	55.3	75.2	78.7	80.1	81.6	81.6	83.7	83.7	84.4	84.4	84.4	86.5	87.2
≥ 600	55.3	75.2	78.7	80.1	81.6	81.6	83.7	83.7	84.4	84.4	84.4	86.5	87.2
≥ 500	56.0	77.3	80.9	82.3	84.4	84.4	86.5	86.5	87.2	87.2	87.2	89.4	90.1
≥ 400	56.0	78.0	81.6	83.0	85.1	85.1	87.2	87.2	87.9	87.9	87.9	90.1	90.8
≥ 300	56.0	78.7	82.3	83.7	86.5	86.5	88.7	88.7	89.4	89.4	89.4	92.2	92.9
≥ 200	56.0	78.7	82.3	84.4	87.9	87.9	90.1	90.1	90.8	90.8	90.8	94.3	95.0
≥ 100	56.0	78.7	82.3	84.4	87.9	87.9	90.1	90.1	90.8	90.8	90.8	95.0	95.7
0	56.0	78.7	82.3	84.4	87.9	87.9	90.1	90.1	90.8	90.8	90.8	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

1292R
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

FEB
MONTH

06

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	34.8	47.5	50.4	51.1	51.1	51.1	51.1	52.5	52.5	53.2	53.9	55.3
≥ 20000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
18000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
16000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
14000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
12000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
10000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
9000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
8000	36.9	49.7	52.5	53.2	53.2	53.2	53.2	54.6	54.6	55.3	56.0	57.5
7000	37.6	51.8	54.6	55.3	55.3	55.3	55.3	56.7	56.7	57.5	58.2	59.6
6000	37.6	53.2	56.0	56.7	56.7	56.7	56.7	58.2	58.2	58.9	59.6	61.0
5000	37.6	53.2	56.0	56.7	56.7	56.7	56.7	58.2	58.2	58.9	59.6	61.0
4500	37.6	53.2	56.7	57.5	57.5	57.5	57.5	58.9	58.9	59.6	60.3	61.7
4000	37.6	53.2	56.7	57.5	57.5	57.5	57.5	58.9	58.9	59.6	60.3	61.7
3500	37.6	53.2	56.7	57.5	57.5	57.5	57.5	58.9	58.9	59.6	60.3	61.7
3000	37.6	53.2	56.7	57.5	57.5	57.5	57.5	58.9	58.9	59.6	60.3	61.7
2500	38.3	57.5	60.3	61.0	61.0	61.0	61.0	62.4	62.4	63.1	63.8	65.3
2000	39.7	60.3	63.1	63.8	63.8	63.8	63.8	65.3	65.3	66.0	66.7	68.1
1800	40.4	61.7	64.5	65.3	65.3	65.3	65.3	66.7	66.7	67.4	68.1	69.5
1500	42.6	64.5	67.4	68.1	68.1	68.1	68.1	69.5	69.5	70.2	70.9	71.6
1200	42.6	66.0	68.8	70.2	70.2	70.2	70.2	71.6	71.6	72.3	73.1	73.8
1000	44.7	68.8	71.6	73.1	73.1	73.1	73.1	74.5	74.5	75.2	75.9	76.6
900	45.4	69.5	72.3	73.8	73.8	73.8	73.8	75.2	75.2	75.9	76.6	77.3
800	45.4	70.2	73.1	74.5	74.5	74.5	74.5	75.9	75.9	76.6	77.3	78.0
700	46.8	71.6	74.5	75.9	75.9	75.9	75.9	77.3	77.3	78.0	78.7	79.4
600	46.8	72.3	75.2	76.6	76.6	76.6	76.6	78.0	78.0	78.7	79.4	80.1
500	46.8	73.1	76.6	78.0	78.0	78.0	78.0	79.4	79.4	80.1	80.8	81.5
400	46.8	73.8	78.0	80.1	80.1	80.1	80.1	81.5	81.5	82.2	82.9	83.6
300	46.8	74.5	78.7	80.9	80.9	80.9	80.9	82.2	82.2	82.9	83.6	84.3
200	46.8	74.5	78.7	80.9	80.9	80.9	80.9	82.2	82.2	82.9	83.6	84.3
100	46.8	74.5	78.7	80.9	80.9	80.9	80.9	82.2	82.2	82.9	83.6	84.3
0	46.8	74.5	78.7	80.9	80.9	80.9	80.9	82.2	82.2	82.9	83.6	84.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

PER
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	19.9	42.6	43.3	44.7	45.4	45.4	45.4	45.4	46.1	46.1	46.1	46.1
≥ 20000	20.6	46.8	47.5	48.9	49.7	49.7	49.7	49.7	50.4	50.4	50.4	50.4
≥ 18000	20.6	45.8	47.5	48.9	49.7	49.7	49.7	49.7	50.4	50.4	50.4	50.4
≥ 16000	20.6	45.8	47.5	48.9	49.7	49.7	49.7	49.7	50.4	50.4	50.4	50.4
≥ 14000	20.6	47.5	48.2	49.7	50.4	50.4	50.4	50.4	51.1	51.1	51.1	51.1
≥ 12000	21.3	48.9	49.7	51.1	51.8	51.8	51.8	51.8	52.5	52.5	52.5	52.5
≥ 10000	22.0	49.7	50.4	51.1	52.5	52.5	52.5	52.5	53.2	53.2	53.2	53.2
≥ 9000	22.0	50.4	51.1	52.5	53.2	53.2	53.2	53.2	53.9	53.9	53.9	53.9
≥ 8000	23.4	53.2	53.9	55.3	56.0	56.0	56.0	56.0	56.7	56.7	56.7	56.7
≥ 7000	24.1	54.6	55.3	57.5	58.2	58.2	58.2	58.2	58.9	58.9	58.9	58.9
≥ 6000	24.1	54.6	55.3	57.5	58.2	58.2	58.2	58.2	58.9	58.9	58.9	58.9
≥ 5000	24.1	54.6	55.3	57.5	58.2	58.2	58.2	58.2	58.9	58.9	58.9	58.9
≥ 4500	25.5	56.7	57.5	59.4	60.3	60.3	60.3	60.3	61.0	61.0	61.0	61.0
≥ 4000	26.2	57.5	58.2	60.3	61.0	61.0	61.0	61.0	61.7	61.7	61.7	61.7
≥ 3500	26.2	57.5	58.2	60.3	61.0	61.0	61.0	61.0	61.7	61.7	61.7	61.7
≥ 3000	26.2	58.2	58.9	62.4	63.1	63.1	63.1	63.1	63.8	63.8	63.8	63.8
≥ 2500	27.0	59.6	61.0	64.5	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0
≥ 2000	27.7	61.0	62.4	66.7	67.4	67.4	67.4	67.4	68.1	68.1	68.1	68.1
≥ 1800	27.7	61.7	63.1	67.4	68.1	68.1	68.1	68.1	68.8	68.8	68.8	68.8
≥ 1500	27.7	65.3	66.7	70.9	72.3	72.3	72.3	72.3	73.1	73.1	73.1	73.1
≥ 1200	27.7	66.7	69.2	74.5	76.6	76.6	76.6	76.6	77.3	77.3	77.3	77.3
≥ 1000	28.4	70.2	73.1	78.0	80.1	80.1	80.1	80.1	81.6	81.6	81.6	81.6
≥ 900	28.4	70.9	74.5	79.4	81.6	81.6	81.6	81.6	83.0	83.0	83.0	83.0
≥ 800	28.4	71.6	75.9	81.4	83.7	83.7	83.7	83.7	85.1	85.1	85.1	85.1
≥ 700	28.4	71.6	75.9	81.4	83.7	83.7	83.7	83.7	85.1	85.1	85.1	85.1
≥ 600	28.4	72.3	77.3	85.1	87.2	87.2	87.2	87.2	89.4	89.4	89.4	89.4
≥ 500	28.4	73.1	78.0	85.8	87.9	87.9	87.9	87.9	91.5	91.5	91.5	91.5
≥ 400	28.4	73.1	78.0	85.8	87.9	87.9	87.9	87.9	91.5	91.5	91.5	91.5
≥ 300	28.4	73.1	78.0	85.8	87.9	87.9	87.9	87.9	91.5	91.5	91.5	91.5
≥ 200	28.4	73.1	78.0	85.8	87.9	87.9	87.9	87.9	91.5	91.5	91.5	91.5
≥ 100	28.4	73.1	78.0	85.8	87.9	87.9	87.9	87.9	91.5	91.5	91.5	91.5
≥ 0	28.4	73.1	78.0	85.8	87.9	87.9	87.9	87.9	91.5	91.5	91.5	91.5

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.4	43.3	44.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	32.6	50.4	51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 18000	32.6	50.4	51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	32.6	50.4	51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	32.6	52.5	53.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000	33.3	53.2	53.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	34.8	55.3	56.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	34.8	55.3	56.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	36.2	56.7	58.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	36.2	57.5	58.9	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 6000	36.2	57.5	58.9	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	36.9	58.2	59.6	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500	36.9	58.2	59.6	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	37.6	59.6	61.0	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3500	39.7	63.1	64.5	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3000	41.1	65.3	67.4	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 2500	44.7	73.8	75.9	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	44.7	75.9	78.7	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	44.7	78.0	80.9	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	45.4	81.6	85.1	87.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	45.4	83.0	86.5	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	45.4	83.0	86.5	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	45.4	83.0	87.2	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	45.4	83.0	87.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	45.4	83.7	87.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	45.4	84.4	88.7	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	45.4	84.4	88.7	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	45.4	84.4	88.7	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	45.4	84.4	88.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 200	45.4	84.4	88.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 100	45.4	84.4	88.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
0	45.4	84.4	88.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1292R
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

FEB
MONTH

15
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	32.6	47.5	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	36.9	52.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	36.9	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000	36.9	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 14000	37.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 12000	39.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	39.0	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	40.4	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	41.8	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	43.3	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	43.3	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	44.0	70.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	44.0	70.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	44.7	72.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	45.4	73.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	48.9	78.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500	51.1	84.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	51.1	85.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	51.1	85.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	51.1	86.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	51.1	87.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	51.1	87.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	51.1	87.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	51.1	86.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	51.1	88.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	51.1	88.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	51.1	90.1	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	51.1	90.1	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	51.1	90.1	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200	51.1	90.1	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100	51.1	90.1	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 0	51.1	90.1	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	42.6	53.2	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	50.4	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	50.4	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	50.4	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000	51.1	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 12000	51.8	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000	53.2	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	54.6	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 8000	56.0	75.9	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	56.0	76.6	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	56.0	79.4	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	56.7	81.6	82.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	56.7	81.6	82.3	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	57.5	83.0	83.7	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	57.5	83.0	83.7	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	57.5	83.0	83.7	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	58.9	85.1	85.8	87.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	58.9	85.1	86.5	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	58.9	85.1	86.5	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	58.9	85.8	87.2	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	58.9	86.5	87.9	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	58.9	88.7	90.1	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	58.9	89.4	90.8	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800	58.9	89.4	90.8	93.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 200	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 100	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
0	58.9	90.1	91.5	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

141

TOTAL NUMBER OF OBSERVATIONS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	50.0	64.5	64.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	58.9	68.8	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.9
≥ 18000	58.9	68.8	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.9	70.9
≥ 16000	58.9	68.8	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.9	70.9
≥ 14000	58.9	68.8	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.9	70.9
≥ 12000	50.3	70.2	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3
≥ 10000	61.7	71.6	71.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.8	73.8
≥ 9000	62.4	73.1	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2
≥ 8000	63.8	75.2	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.3	77.3
≥ 7000	63.8	75.2	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.3	77.3
≥ 6000	63.8	75.2	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.3	77.3
≥ 5000	65.3	78.0	78.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.9	80.9
≥ 4500	65.3	78.0	78.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.9	80.9
≥ 4000	66.0	79.4	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.3	82.3
≥ 3500	67.4	80.9	81.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.7	83.7
≥ 3000	68.1	82.3	83.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.8	85.8
≥ 2500	68.8	83.7	84.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.2	87.2
≥ 2000	69.5	85.1	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.9	87.9
≥ 1800	69.5	85.1	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.9	87.9
≥ 1500	70.2	87.2	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 1200	70.2	87.2	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 1000	70.2	87.2	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 900	70.2	87.2	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 800	70.2	87.2	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 700	70.2	87.2	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 600	70.2	87.2	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 500	70.9	90.8	92.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.7	95.7
≥ 400	70.9	90.8	92.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.7	95.7
≥ 300	70.9	91.5	92.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2
≥ 200	70.9	92.2	93.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.9	97.9
≥ 100	70.9	92.2	93.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.9	97.9
≥ 0	70.9	92.2	93.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	37.9	50.7	51.7	52.6	52.8	52.8	53.0	53.2	53.4	53.5	53.6	53.6	53.9
≥ 20000	41.6	57.3	56.2	59.1	59.4	59.4	59.6	59.8	59.9	60.0	60.1	60.1	60.7
≥ 18000	41.6	57.4	58.3	59.2	59.5	59.5	59.7	59.8	60.0	60.1	60.2	60.2	60.8
≥ 16000	41.6	57.4	58.3	59.2	59.5	59.5	59.7	59.8	60.0	60.1	60.2	60.2	60.8
≥ 14000	41.8	58.1	59.0	59.9	60.2	60.2	60.4	60.6	60.7	60.8	60.9	61.4	61.5
≥ 12000	42.4	59.0	59.9	60.8	61.1	61.1	61.3	61.4	61.6	61.7	61.8	62.2	62.4
≥ 10000	43.2	60.0	61.0	61.9	62.2	62.2	62.3	62.5	62.7	62.8	62.9	63.3	63.5
≥ 9000	43.7	60.8	61.8	62.7	62.9	62.9	63.1	63.3	63.5	63.6	63.7	64.1	64.3
≥ 8000	44.8	62.6	63.7	64.6	64.9	64.9	65.1	65.3	65.4	65.5	65.6	66.1	66.2
≥ 7000	45.3	63.7	65.0	66.1	66.4	66.5	66.7	66.8	67.0	67.1	67.2	67.6	67.8
≥ 6000	45.4	64.6	66.0	67.0	67.4	67.5	67.6	67.8	68.0	68.1	68.2	68.6	68.8
≥ 5000	46.0	65.7	67.1	68.3	68.6	68.7	68.9	69.1	69.3	69.4	69.5	69.5	70.0
≥ 4500	46.2	66.2	67.6	68.8	69.2	69.3	69.6	69.8	70.0	70.1	70.2	70.7	70.8
≥ 4000	46.6	67.0	68.4	69.6	70.0	70.1	70.4	70.6	70.8	70.9	71.0	71.5	71.6
≥ 3500	47.3	67.9	69.3	70.5	70.9	71.0	71.3	71.5	71.7	71.8	71.9	72.3	72.5
≥ 3000	48.3	69.7	71.3	72.7	73.1	73.2	73.6	73.9	74.1	74.2	74.3	74.7	74.9
≥ 2500	50.1	73.3	75.0	76.5	77.0	77.0	77.4	77.7	77.9	78.0	78.1	78.6	78.7
≥ 2000	50.5	74.7	76.5	78.1	78.6	78.6	79.0	79.3	79.5	79.7	79.8	80.2	80.4
≥ 1800	50.7	75.4	77.4	79.1	79.5	79.6	80.0	80.2	80.5	80.7	80.8	81.2	81.4
≥ 1500	51.4	77.8	80.1	81.8	82.5	82.5	83.0	83.2	83.5	83.7	83.8	84.2	84.4
≥ 1200	51.6	78.8	81.3	83.2	83.9	84.0	84.4	84.7	84.9	85.1	85.2	85.6	85.8
≥ 1000	52.0	80.2	82.7	84.7	85.4	85.5	86.0	86.3	86.5	86.7	86.8	87.2	87.4
≥ 900	52.3	80.7	83.4	85.4	86.1	86.2	86.7	87.0	87.2	87.4	87.5	87.9	88.1
≥ 800	52.4	81.3	84.2	86.7	87.5	87.6	88.1	88.5	88.7	88.9	89.0	89.5	89.6
≥ 700	52.8	81.9	85.0	87.6	88.4	88.5	89.0	89.4	89.6	89.8	89.9	90.3	90.5
≥ 600	52.8	82.5	85.7	88.6	89.5	89.5	90.2	90.5	90.9	91.3	91.4	91.8	92.0
≥ 500	52.9	83.4	86.9	89.8	90.8	91.1	91.9	92.3	92.6	93.3	93.4	93.8	94.0
≥ 400	52.9	83.7	87.2	90.3	91.3	91.6	92.5	93.0	93.4	94.2	94.4	95.0	95.1
≥ 300	52.9	84.0	87.4	90.6	91.8	92.2	93.2	93.9	94.2	95.4	96.0	96.5	96.8
≥ 200	52.9	84.0	87.5	90.9	92.4	92.7	93.7	94.4	94.8	96.0	96.7	97.7	98.0
≥ 100	52.9	84.0	87.5	90.9	92.4	92.7	93.7	94.4	94.8	96.0	96.9	97.1	98.2
0	52.9	84.0	87.5	90.9	92.4	92.7	93.7	94.4	94.8	96.0	96.9	97.1	98.3

TOTAL NUMBER OF OBSERVATIONS

1128

2

12920 54221

7225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12920
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00
HOURS (LST)

CEILING VERSUS VISIBILITY

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	29.7	39.4	39.4	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.9	41.9	41.9	41.9
≥ 20000	33.6	44.5	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1
≥ 18000	33.6	44.5	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1
≥ 16000	33.6	44.5	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1
≥ 14000	33.6	44.5	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1
≥ 12000	34.2	45.2	45.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.7	47.7	47.7	47.7
≥ 10000	34.2	45.2	45.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4
≥ 9000	34.2	45.2	45.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4
≥ 8000	34.2	45.8	45.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0
≥ 7000	34.8	47.7	48.4	50.3	50.3	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0
≥ 6000	34.8	48.4	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6
≥ 5000	35.5	49.0	49.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3
4500	36.1	49.7	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9
4000	36.1	49.7	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9
3500	36.8	52.9	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.1
3000	36.8	52.9	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.1
2500	37.4	54.2	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4
2000	38.1	56.1	56.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4
1800	38.1	58.1	59.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9
1500	39.4	63.2	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1
1200	40.7	65.8	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3
1000	41.9	70.3	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.5	75.5	75.5	75.5
900	42.6	71.6	73.6	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8
800	42.6	73.6	76.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4
700	42.6	75.5	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2
600	43.2	78.7	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5
500	43.2	83.2	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
400	43.2	84.5	89.7	92.6	93.6	93.6	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8
300	43.2	84.5	89.7	92.6	93.6	93.6	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8
200	43.2	85.8	91.0	94.2	94.8	94.8	94.8	94.8	94.8	94.8	96.1	96.1	96.1	96.1
100	43.2	85.8	91.0	94.2	94.8	94.8	94.8	94.8	94.8	94.8	96.1	96.1	96.1	96.1
0	43.2	85.8	91.0	94.2	94.8	94.8	94.8	94.8	94.8	94.8	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

03

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.9	29.7	30.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	33.0	33.6	34.2
≥ 20000	23.2	32.3	32.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	36.1	36.1	36.8
≥ 18000	23.2	32.3	32.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	36.1	36.1	36.8
≥ 16000	23.2	32.3	32.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	36.1	36.1	36.8
≥ 14000	23.2	32.3	32.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	36.1	36.1	36.8
≥ 12000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 10000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 9000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 8000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 7000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 6000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 5000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 4500	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 4000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 3500	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 3000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 2500	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 2000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 1800	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 1500	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 1200	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 1000	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 900	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 800	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 700	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 600	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 500	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 400	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 300	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 200	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 100	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4
≥ 0	23.9	32.9	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	36.8	36.8	37.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.0	25.2	26.5	29.0	29.0	29.0	29.7	29.7	29.7	30.3	30.3	30.3	31.0	31.0
≥ 20000	21.3	28.4	29.7	32.3	32.3	32.3	32.9	32.9	32.9	33.6	33.6	33.6	34.2	34.2
≥ 18000	21.3	28.4	29.7	32.3	32.3	32.3	32.9	32.9	32.9	33.6	33.6	33.6	34.2	34.2
≥ 16000	21.3	28.4	29.7	32.3	32.3	32.3	32.9	32.9	32.9	33.6	33.6	33.6	34.2	34.2
≥ 14000	21.3	28.4	29.7	32.3	32.3	32.3	32.9	32.9	32.9	33.6	33.6	33.6	34.2	34.2
≥ 12000	21.3	28.4	29.7	32.3	32.3	32.3	32.9	32.9	32.9	33.6	33.6	33.6	34.2	34.2
≥ 10000	22.6	29.7	31.0	33.6	33.6	33.6	34.2	34.2	34.2	34.8	34.8	34.8	35.5	35.5
≥ 9000	22.6	29.7	31.0	33.6	33.6	33.6	34.2	34.2	34.2	34.8	34.8	34.8	35.5	35.5
≥ 8000	23.2	31.0	32.3	34.8	34.8	34.8	35.5	35.5	35.5	36.1	36.1	36.1	36.8	36.8
≥ 7000	23.9	32.3	33.6	36.1	36.1	36.1	36.8	36.8	36.8	37.4	37.4	37.4	38.1	38.1
≥ 6000	23.9	32.3	33.6	36.1	36.1	36.1	36.8	36.8	36.8	37.4	37.4	37.4	38.1	38.1
≥ 5000	23.9	33.6	34.8	37.4	37.4	37.4	38.1	38.1	38.1	38.7	38.7	38.7	39.4	39.4
≥ 4500	23.9	33.6	34.8	37.4	37.4	37.4	38.1	38.1	38.1	38.7	38.7	38.7	39.4	39.4
≥ 4000	23.9	33.6	34.8	37.4	37.4	37.4	38.1	38.1	38.1	38.7	38.7	38.7	39.4	39.4
≥ 3500	23.9	33.6	34.8	37.4	37.4	37.4	38.1	38.1	38.1	38.7	38.7	38.7	39.4	39.4
≥ 3000	24.5	34.2	35.5	38.1	38.1	38.1	38.7	38.7	38.7	39.4	39.4	39.4	40.0	40.0
≥ 2500	25.2	37.4	38.7	41.3	41.3	41.3	41.9	41.9	41.9	42.6	42.6	42.6	43.2	43.2
≥ 2000	26.5	40.0	41.3	43.9	43.9	43.9	44.5	44.5	44.5	45.2	45.2	45.2	45.8	45.8
≥ 1800	27.7	43.2	44.5	47.1	47.1	47.1	47.7	47.7	47.7	48.4	48.4	48.4	49.0	49.0
≥ 1500	29.7	49.0	51.0	53.6	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	55.5	55.5
≥ 1200	31.0	54.8	56.8	60.0	60.0	60.0	60.7	60.7	60.7	61.3	61.3	61.3	61.9	61.9
≥ 1000	31.0	58.1	60.0	64.5	64.5	64.5	65.2	65.2	65.2	65.8	65.8	65.8	66.5	66.5
≥ 900	31.6	60.0	61.9	66.5	66.5	66.5	67.1	67.1	67.1	67.7	67.7	67.7	68.4	68.4
≥ 800	32.3	65.2	67.1	71.6	71.6	71.6	72.3	72.3	72.3	72.9	72.9	72.9	73.6	73.6
≥ 700	32.9	65.8	69.0	73.6	73.6	73.6	74.2	74.2	74.2	74.8	74.8	74.8	75.5	75.5
≥ 600	34.2	69.7	72.9	77.4	77.4	77.4	78.1	78.1	78.1	78.7	78.7	78.7	79.4	79.4
≥ 500	34.2	71.0	74.8	80.0	80.0	80.0	80.7	80.7	80.7	81.3	81.3	81.3	82.0	82.0
≥ 400	34.2	71.6	75.5	81.3	81.3	81.3	81.9	81.9	81.9	82.6	82.6	82.6	83.3	83.3
≥ 300	34.2	72.3	76.1	81.9	81.9	81.9	82.6	82.6	82.6	83.3	83.3	83.3	84.0	84.0
≥ 200	34.2	72.3	76.1	82.6	82.6	82.6	83.3	83.3	83.3	84.0	84.0	84.0	84.7	84.7
≥ 100	34.2	72.3	76.1	82.6	82.6	82.6	83.3	83.3	83.3	84.0	84.0	84.0	84.7	84.7
0	34.2	72.3	76.1	82.6	82.6	82.6	83.3	83.3	83.3	84.0	84.0	84.0	84.7	84.7

155

TOTAL NUMBER OF OBSERVATIONS

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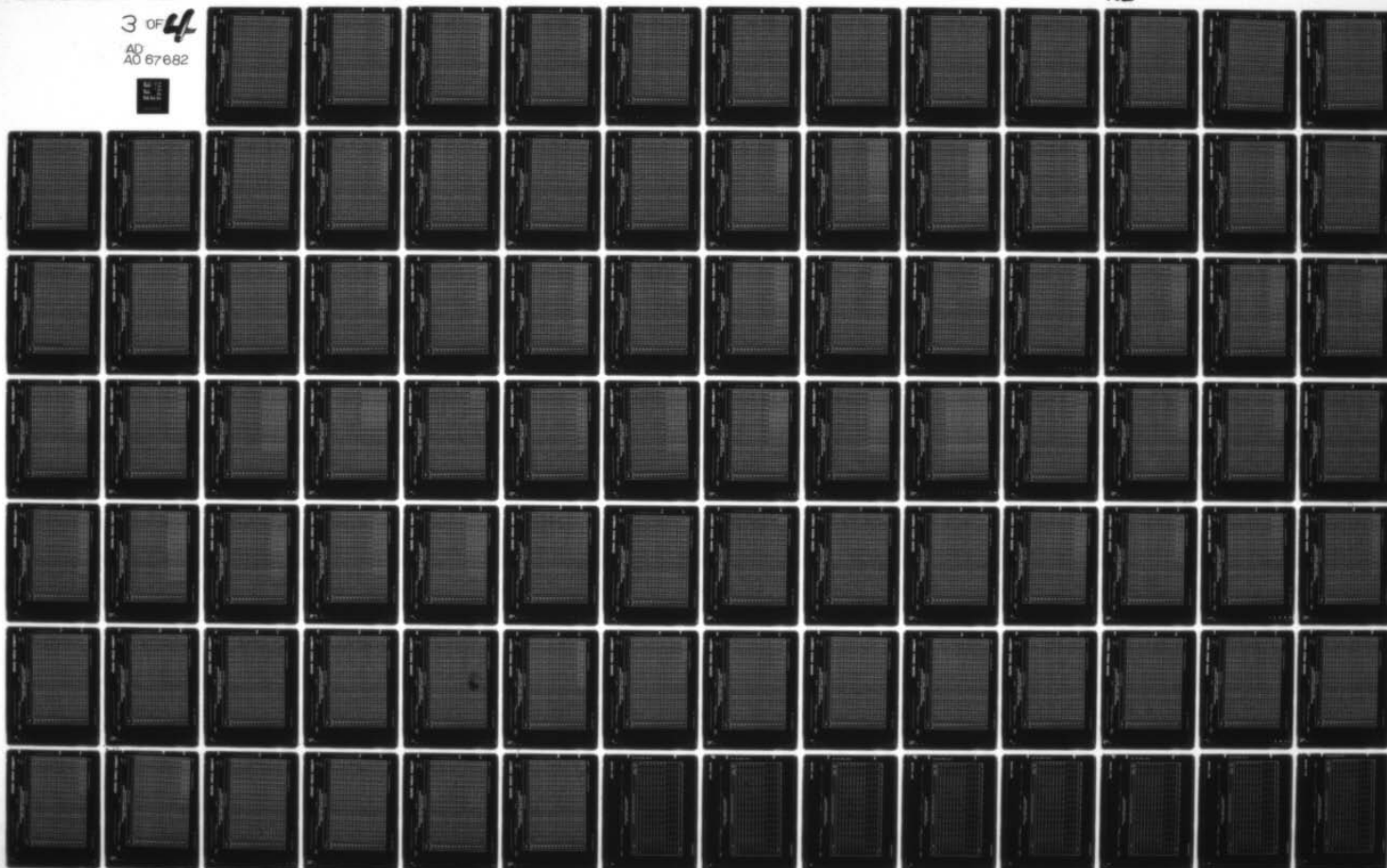
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KINGSVIL--ETC(U)
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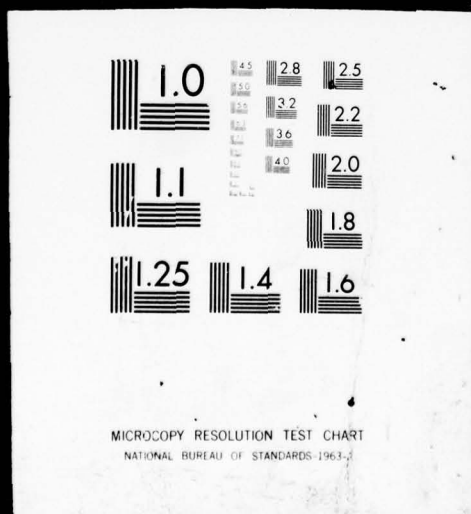
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3 OF 4

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CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 20000	14.2	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 18000	14.2	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	14.2	28.4	28.4	28.4	28.4	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 14000	14.2	28.4	28.4	28.4	28.4	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 12000	14.2	28.4	28.4	28.4	28.4	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 10000	14.8	30.3	30.3	30.3	30.3	30.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 9000	15.5	31.0	31.0	31.0	31.0	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 8000	15.5	31.0	31.0	31.6	31.6	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 7000	15.5	31.0	31.0	31.6	31.6	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 6000	15.5	33.6	33.6	34.2	34.2	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 5000	15.5	33.6	33.6	34.2	34.2	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 4500	16.1	34.2	34.2	34.8	34.8	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 4000	16.1	34.2	34.2	34.8	34.8	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 3500	17.4	36.1	36.1	36.8	36.8	36.8	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 3000	17.4	37.4	37.4	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 2500	17.4	39.4	39.4	40.0	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 2000	18.1	43.2	43.2	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 1800	18.1	43.9	44.5	45.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 1500	18.7	48.4	49.7	51.6	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 1200	18.7	54.2	55.5	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 1000	18.7	61.3	63.2	68.4	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 900	18.7	61.3	63.2	68.4	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 800	18.7	61.3	63.2	68.4	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 700	18.7	64.5	67.1	73.6	74.2	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 600	18.7	65.2	68.4	77.4	78.7	78.7	80.0	81.3	81.3	81.3	82.6	82.6	82.6
≥ 500	18.7	65.8	69.7	80.0	82.6	83.9	85.8	86.5	86.5	86.5	87.7	87.7	87.7
≥ 400	18.7	65.8	69.7	80.0	82.6	83.9	85.8	86.5	86.5	86.5	87.7	87.7	87.7
≥ 300	18.7	65.8	69.7	81.3	83.9	85.8	88.4	89.0	89.0	89.0	91.6	91.6	91.6
≥ 200	18.7	65.8	69.7	81.3	83.9	86.5	89.0	90.3	92.9	93.6	93.6	93.6	93.6
≥ 100	18.7	65.8	69.7	81.3	83.9	86.5	89.0	91.0	93.6	94.2	94.2	94.2	94.2
≥ 0	18.7	65.8	69.7	81.3	83.9	86.5	89.0	91.0	93.6	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

125

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.9	29.0	29.0	29.0	29.0	29.0	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 20000	25.2	36.8	36.8	36.8	36.8	36.8	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 18000	25.2	37.4	37.4	37.4	37.4	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	25.2	38.1	38.1	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	25.2	38.1	38.1	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000	25.8	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	26.5	40.0	40.0	40.0	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	26.5	40.0	40.0	40.0	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 8000	27.1	41.9	41.9	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	27.1	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 6000	27.1	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 5000	27.1	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4500	27.1	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4000	27.1	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 3500	27.7	45.2	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 3000	29.0	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 2500	29.7	57.4	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 2000	30.3	66.5	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 1800	30.3	68.4	69.7	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1500	31.6	73.6	75.5	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1200	31.6	75.5	77.4	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	31.6	80.0	83.2	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	31.6	80.7	83.9	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	31.6	83.2	86.5	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	31.6	83.9	87.7	90.3	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	31.6	84.5	88.4	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	31.6	85.2	89.7	94.2	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	31.6	85.2	89.7	94.2	96.1	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	31.6	85.2	89.7	94.2	96.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 200	31.6	85.8	90.3	95.5	96.8	97.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 100	31.6	85.8	90.3	95.5	96.8	97.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 0	31.6	85.8	90.3	95.5	96.8	97.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME75-77
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	23.9	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	30.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	30.3	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	30.3	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	31.0	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	31.0	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	32.3	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	32.3	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	32.3	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	32.9	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	32.9	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 5000	32.9	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4500	32.9	59.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	32.9	59.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3500	32.9	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000	32.9	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2500	33.6	72.3	72.3	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	36.8	79.4	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	36.8	80.7	82.0	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	36.8	84.5	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	36.8	86.5	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	36.8	87.1	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	36.8	87.7	91.0	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	36.8	89.0	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	36.8	89.7	93.6	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	36.8	89.7	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	36.8	89.7	94.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	36.8	89.7	94.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	36.8	89.7	94.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	36.8	89.7	94.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	36.8	89.7	94.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	36.8	89.7	94.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	23.2	41.9	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	33.6	61.9	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	33.6	62.6	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	34.2	63.2	64.5	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	34.2	63.2	64.5	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	34.2	63.2	64.5	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	35.5	65.2	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	35.5	65.2	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	35.5	66.5	67.7	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	37.4	68.4	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	37.4	68.4	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	37.4	69.7	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	37.4	70.3	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	37.4	71.6	72.9	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	37.4	71.6	72.9	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	37.4	72.3	73.6	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	38.7	73.6	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	38.7	74.8	75.5	76.1	76.1	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1800	38.7	75.5	76.1	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1500	38.7	76.1	76.7	77.3	77.3	77.9	77.9	77.9	77.9	77.9	77.9
≥ 1200	38.7	77.3	77.9	78.6	78.6	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1000	39.4	78.6	79.2	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 900	39.4	79.2	79.9	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	39.4	79.9	80.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 700	40.0	80.7	81.3	82.0	82.0	82.6	82.6	82.6	82.6	82.6	82.6
≥ 600	40.0	81.3	82.0	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 500	40.0	82.0	82.6	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8
≥ 400	40.0	82.6	83.2	83.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4
≥ 300	40.0	83.2	83.8	84.4	84.4	85.0	85.0	85.0	85.0	85.0	85.0
≥ 200	40.0	83.8	84.4	85.0	85.0	85.6	85.6	85.6	85.6	85.6	85.6
≥ 100	40.0	84.4	85.0	85.6	85.6	86.2	86.2	86.2	86.2	86.2	86.2
0	40.0	85.0	85.6	86.2	86.2	86.8	86.8	86.8	86.8	86.8	86.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	30.3	44.5	45.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	34.8	49.7	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	34.8	49.7	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	34.8	49.7	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	34.8	49.7	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	35.5	50.3	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	36.8	52.3	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	38.1	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	38.1	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	39.4	55.5	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	39.4	56.8	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 5000	39.4	57.4	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	40.0	58.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	40.0	58.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	40.7	60.0	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3000	40.7	60.0	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 2500	40.7	61.3	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	40.7	63.2	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 1800	41.3	65.2	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1500	41.9	67.1	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1200	42.6	69.7	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1000	43.9	74.2	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 900	43.9	75.5	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 800	44.5	78.7	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 700	44.5	81.9	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	44.5	83.9	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	45.2	85.8	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 400	45.2	87.1	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	45.2	87.7	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	45.2	89.0	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	45.2	89.7	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	45.2	89.7	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	22.9	33.6	34.0	34.9	35.0	35.1	35.3	35.3	35.3	35.4	35.7	35.7	35.8	36.0
≥ 20000	27.0	41.7	42.3	43.2	43.2	43.3	43.6	43.6	43.6	43.6	43.9	43.9	44.0	44.2
≥ 18000	27.0	42.0	42.6	43.6	43.6	43.7	44.0	44.0	44.0	44.0	44.3	44.3	44.4	44.6
≥ 16000	27.1	42.3	42.8	43.8	43.9	44.0	44.2	44.2	44.2	44.3	44.5	44.5	44.7	44.8
≥ 14000	27.2	42.3	42.9	43.9	44.0	44.0	44.3	44.3	44.3	44.4	44.6	44.6	44.8	44.9
≥ 12000	27.5	42.8	43.4	44.4	44.4	44.5	44.8	44.8	44.8	44.8	45.1	45.1	45.3	45.4
≥ 10000	28.3	44.0	44.6	45.6	45.7	45.7	46.0	46.0	46.1	46.1	46.3	46.3	46.5	46.6
≥ 9000	28.6	44.2	44.8	45.8	45.9	46.0	46.2	46.2	46.2	46.3	46.5	46.5	46.7	46.8
≥ 8000	28.7	45.1	45.7	46.8	46.9	46.9	47.2	47.2	47.2	47.3	47.5	47.5	47.7	47.8
≥ 7000	29.4	46.5	47.2	48.2	48.3	48.4	48.6	48.6	48.6	48.7	49.0	49.0	49.2	49.3
≥ 6000	29.4	47.2	47.8	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.7	49.7	49.8	50.0
≥ 5000	29.6	47.9	48.6	49.7	49.8	49.8	50.1	50.1	50.2	50.2	50.4	50.4	50.6	50.7
≥ 4500	29.9	48.4	49.1	50.2	50.3	50.4	50.7	50.7	50.7	50.7	51.0	51.0	51.2	51.3
≥ 4000	30.0	48.6	49.4	50.5	50.6	50.7	50.9	50.9	50.9	51.0	51.2	51.2	51.4	51.5
≥ 3500	30.6	50.3	51.1	52.2	52.3	52.3	52.6	52.6	52.6	52.7	52.9	52.9	53.1	53.2
≥ 3000	30.8	52.3	53.1	54.2	54.3	54.4	54.6	54.6	54.6	54.7	54.9	54.9	55.1	55.2
≥ 2500	31.4	55.2	56.1	57.3	57.4	57.5	57.7	57.7	57.8	58.1	58.1	58.2	58.3	58.4
≥ 2000	32.3	59.7	60.8	62.1	62.2	62.3	62.5	62.5	62.5	62.6	62.8	63.0	63.1	63.2
≥ 1800	32.6	61.4	62.7	64.1	64.2	64.3	64.5	64.5	64.6	64.6	64.8	64.8	65.0	65.2
≥ 1500	33.6	66.0	67.8	69.5	69.6	69.7	69.9	69.9	70.0	70.0	70.2	70.2	70.4	70.6
≥ 1200	34.3	69.6	71.7	73.7	73.9	74.0	74.2	74.2	74.3	74.3	74.5	74.5	74.8	75.0
≥ 1000	34.8	73.6	76.1	78.6	79.0	79.1	79.4	79.4	79.4	79.4	79.7	79.7	79.9	80.2
≥ 900	34.9	74.5	77.1	79.7	80.2	80.2	80.5	80.5	80.6	80.6	80.8	81.0	81.1	81.3
≥ 800	35.2	76.9	79.8	82.5	83.1	83.2	83.5	83.5	83.6	83.6	83.9	84.0	84.1	84.4
≥ 700	35.4	78.2	81.7	84.5	85.1	85.2	85.6	85.6	85.7	85.7	86.0	86.1	86.2	86.5
≥ 600	35.7	79.6	83.6	86.9	87.7	87.9	88.2	88.2	88.4	88.5	88.7	88.9	89.0	89.2
≥ 500	35.8	80.8	85.2	89.0	89.9	90.2	90.7	90.7	90.9	91.0	91.2	91.3	91.6	91.9
≥ 400	35.8	81.4	86.0	90.2	91.3	91.6	92.2	92.2	92.4	92.6	92.8	93.2	93.2	93.5
≥ 300	35.8	81.7	86.3	90.8	91.9	92.3	93.1	93.2	93.5	93.8	94.1	94.5	94.6	94.8
≥ 200	35.8	82.3	86.9	91.6	92.7	93.3	94.1	94.4	94.8	95.1	95.4	96.1	96.1	96.5
≥ 100	35.8	82.3	87.0	91.7	92.8	93.4	94.3	94.8	95.2	95.9	96.3	97.3	97.5	98.4
0	35.8	82.3	87.0	91.7	92.8	93.4	94.3	94.8	95.2	95.9	96.3	97.3	97.9	98.8

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	28.7	40.0	40.0	40.7	40.7	41.3	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	33.3	48.0	48.7	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	33.3	48.0	48.7	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	33.3	48.0	48.7	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	33.3	48.0	48.7	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	34.0	48.7	49.3	50.0	50.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	34.0	48.7	49.3	50.0	50.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	34.7	49.3	50.0	50.7	51.3	51.3	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	35.3	50.7	51.3	52.0	52.0	52.7	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	35.3	50.7	51.3	52.0	52.0	52.7	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	35.3	51.3	52.0	52.7	52.7	53.3	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	37.3	54.0	54.7	55.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500	38.0	54.7	55.3	56.0	56.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4000	38.7	55.3	56.0	56.7	56.7	57.3	58.7	58.7	58.7	58.7	58.7	58.7
≥ 3500	39.3	56.0	56.7	57.3	57.3	58.0	59.3	59.3	59.3	59.3	59.3	59.3
≥ 3000	39.3	56.0	56.7	57.3	57.3	58.0	59.3	59.3	59.3	59.3	59.3	59.3
≥ 2500	39.3	58.0	58.7	59.3	59.3	60.0	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2000	40.0	60.0	60.7	61.3	61.3	62.0	63.3	63.3	63.3	63.3	63.3	63.3
≥ 1800	40.0	61.3	62.0	62.7	62.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1500	42.7	70.7	71.3	72.0	72.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1200	42.7	76.0	76.7	77.3	77.3	78.0	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1000	44.7	78.7	79.3	80.0	80.0	80.7	82.0	82.0	82.0	82.0	82.0	82.0
≥ 900	45.3	82.7	83.3	84.0	84.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0
≥ 800	45.3	84.0	84.7	85.3	85.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3
≥ 700	46.0	85.3	86.0	86.7	86.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	46.7	86.0	86.7	87.3	87.3	88.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	47.3	90.0	92.0	94.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	47.3	90.0	92.0	94.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	47.3	90.0	92.0	94.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	47.3	90.0	92.0	94.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	47.3	90.0	92.0	94.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	47.3	90.0	92.0	94.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

APR

MONTH

03

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	24.7	37.3	38.7	40.7	41.3	41.3	41.3	41.3	41.3	42.0	42.0	42.0
≥ 20000	26.7	39.3	40.7	42.7	43.3	43.3	44.0	44.0	44.0	44.7	44.7	44.7
≥ 18000	26.7	39.3	40.7	42.7	43.3	43.3	44.0	44.0	44.0	44.7	44.7	44.7
≥ 16000	26.7	39.3	40.7	42.7	43.3	43.3	44.0	44.0	44.0	44.7	44.7	44.7
≥ 14000	26.7	39.3	40.7	42.7	43.3	43.3	44.0	44.0	44.0	44.7	44.7	44.7
≥ 12000	27.3	40.7	42.0	44.0	44.7	44.7	45.3	45.3	45.3	46.0	46.0	46.0
≥ 10000	28.7	42.0	43.3	45.3	46.0	46.0	46.7	46.7	46.7	48.0	48.0	48.0
≥ 9000	28.7	42.0	43.3	45.3	46.0	46.0	46.7	46.7	46.7	48.0	48.0	48.0
≥ 8000	29.3	42.7	44.0	46.0	46.7	46.7	47.3	47.3	47.3	48.7	48.7	48.7
≥ 7000	29.3	42.7	44.0	46.0	46.7	46.7	47.3	47.3	47.3	48.7	48.7	48.7
≥ 6000	30.0	44.0	45.3	47.3	48.0	48.0	48.7	48.7	48.7	50.0	50.0	50.0
≥ 5000	31.3	45.3	46.7	48.7	49.3	49.3	50.0	50.0	50.0	51.3	51.3	51.3
≥ 4500	31.3	45.3	46.7	48.7	49.3	49.3	50.0	50.0	50.0	51.3	51.3	51.3
≥ 4000	31.3	45.3	46.7	48.7	49.3	49.3	50.0	50.0	50.0	51.3	51.3	51.3
≥ 3500	32.7	47.3	48.7	50.7	51.3	51.3	52.0	52.0	52.0	53.3	53.3	53.3
≥ 3000	33.3	48.0	49.3	51.3	52.0	52.0	52.7	52.7	52.7	54.0	54.0	54.0
≥ 2500	33.3	49.3	51.3	53.3	54.0	54.0	54.7	54.7	54.7	56.0	56.0	56.0
≥ 2000	34.0	52.0	54.7	56.7	57.3	57.3	58.0	58.0	58.0	59.3	59.3	59.3
≥ 1800	34.0	53.3	56.0	58.0	58.7	58.7	59.3	59.3	59.3	60.7	60.7	60.7
≥ 1500	35.3	62.0	64.7	66.7	67.3	67.3	68.0	68.0	68.0	69.3	69.3	69.3
≥ 1200	35.3	67.3	70.7	72.7	73.3	73.3	74.0	74.0	74.0	75.3	75.3	75.3
≥ 1000	36.7	73.3	76.7	78.7	79.3	79.3	80.0	80.0	80.0	81.3	81.3	81.3
≥ 900	36.7	74.7	78.0	80.0	80.7	80.7	81.3	81.3	81.3	82.7	82.7	82.7
≥ 800	37.3	76.0	79.3	81.3	82.0	82.0	82.7	82.7	82.7	84.0	84.0	84.0
≥ 700	37.3	78.0	81.3	83.3	84.0	84.0	84.7	84.7	84.7	86.0	86.0	86.0
≥ 600	37.3	80.0	83.3	86.0	86.7	86.7	87.3	87.3	87.3	88.7	88.7	88.7
≥ 500	38.0	81.3	84.7	88.0	89.3	89.3	90.0	90.0	90.0	91.3	91.3	91.3
≥ 400	38.0	81.3	86.0	89.3	90.7	91.3	92.0	92.0	92.0	93.3	93.3	93.3
≥ 300	38.0	81.3	86.0	89.3	90.7	91.3	92.0	92.0	92.0	94.0	94.0	94.0
≥ 200	38.0	81.3	86.0	89.3	90.7	91.3	92.0	92.0	92.0	94.7	94.7	94.7
≥ 100	38.0	81.3	86.0	89.3	90.7	91.3	92.0	92.0	92.0	95.3	95.3	95.3
≥ 0	38.0	81.3	86.0	89.3	90.7	91.3	92.0	92.0	92.0	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12923
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	12.7	20.0	21.3	25.3	26.0	26.0	27.3	28.0	28.0	29.3	30.0
≥ 20000	15.3	25.3	26.7	31.3	32.7	32.7	34.0	34.7	35.3	37.3	38.0
≥ 18000	15.3	25.3	26.7	31.3	32.7	32.7	34.0	34.7	35.3	37.3	38.0
≥ 16000	15.3	25.3	26.7	31.3	32.7	32.7	34.0	34.7	35.3	37.3	38.0
≥ 14000	15.3	25.3	26.7	31.3	32.7	32.7	34.0	34.7	35.3	37.3	38.0
≥ 12000	16.0	26.0	27.3	32.7	34.0	34.0	35.3	36.0	36.7	38.7	39.3
≥ 10000	16.7	26.7	28.0	33.3	35.3	35.3	36.7	37.3	38.0	40.0	40.7
≥ 9000	16.7	26.7	28.0	33.3	35.3	35.3	36.7	37.3	38.0	40.0	40.7
≥ 8000	16.7	26.7	28.0	34.0	36.0	36.0	37.3	38.0	40.7	42.7	43.3
≥ 7000	16.7	27.3	28.7	34.7	36.7	36.7	38.0	38.7	41.3	43.3	44.0
≥ 6000	16.7	28.0	29.3	35.3	37.3	37.3	38.7	39.3	42.0	44.0	44.7
≥ 5000	17.3	28.7	30.0	36.0	38.0	38.0	39.3	40.0	42.7	44.7	45.3
≥ 4500	17.3	29.3	30.7	36.7	38.7	38.7	40.0	40.7	42.7	44.7	45.3
≥ 4000	17.3	29.3	30.7	36.7	38.7	38.7	40.0	40.7	42.7	44.7	45.3
≥ 3500	18.7	31.3	32.7	39.3	41.3	41.3	42.7	43.3	44.0	46.0	46.7
≥ 3000	20.0	33.3	35.0	42.7	44.7	44.7	46.0	46.7	47.3	49.3	50.0
≥ 2500	21.3	36.0	38.7	45.3	47.3	47.3	48.7	49.3	50.0	52.0	52.7
≥ 2000	22.0	37.3	40.0	46.7	49.3	49.3	50.7	51.3	52.0	54.0	54.7
≥ 1800	22.0	38.0	40.7	47.3	50.0	50.0	51.3	52.0	52.7	55.3	55.7
≥ 1500	22.7	40.7	43.3	50.0	53.3	53.3	54.7	55.3	56.0	58.0	58.7
≥ 1200	22.7	44.0	47.3	54.0	57.3	57.3	58.7	59.3	60.0	62.0	62.7
≥ 1000	22.7	50.0	54.0	62.0	67.3	67.3	68.7	69.3	70.0	72.0	73.3
≥ 900	22.7	52.7	56.7	64.7	70.0	70.0	72.0	72.7	73.3	75.3	76.7
≥ 800	22.7	55.3	60.0	68.7	74.0	74.0	76.7	77.3	78.0	80.0	81.3
≥ 700	22.7	56.7	61.3	70.0	75.3	75.3	78.0	78.7	79.3	81.3	82.7
≥ 600	23.3	59.3	64.7	73.3	78.7	78.7	81.3	82.7	83.3	85.3	86.7
≥ 500	23.3	62.0	67.3	76.7	83.3	83.3	86.0	88.0	88.7	90.7	92.0
≥ 400	23.3	62.7	68.0	77.3	84.0	84.0	86.7	89.3	90.0	92.0	93.3
≥ 300	23.3	62.7	68.0	77.3	84.7	84.7	88.0	90.0	91.3	93.3	94.7
≥ 200	23.3	62.7	68.0	77.3	84.7	84.7	88.7	90.0	91.3	93.3	94.7
≥ 100	23.3	62.7	68.0	77.3	84.7	84.7	88.7	90.0	91.3	93.3	95.3
0	23.3	62.7	68.0	77.3	84.7	84.7	88.7	90.0	91.3	93.3	95.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	16.0	28.0	28.0	28.0	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 20000	17.3	32.0	32.0	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 18000	17.3	32.0	32.0	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 16000	18.0	32.7	32.7	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 14000	18.0	32.7	32.7	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 12000	18.0	33.3	33.3	34.0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 10000	18.7	34.7	34.7	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 9000	18.7	35.3	35.3	36.0	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 8000	19.3	37.3	37.3	38.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 7000	19.3	37.3	37.3	38.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 6000	19.3	38.7	38.7	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 5000	20.0	41.3	41.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4500	20.0	42.0	42.0	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4000	20.0	42.7	42.7	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 3500	20.7	44.0	44.0	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 3000	21.3	46.0	46.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 2500	21.3	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 2000	21.3	54.7	54.7	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 1800	21.3	58.0	58.0	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 1500	23.3	66.0	66.7	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1200	23.3	70.0	70.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1000	23.3	72.7	76.7	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 900	23.3	75.3	79.3	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 800	23.3	76.7	81.3	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	23.3	77.3	83.3	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	23.3	77.3	84.0	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	23.3	77.3	84.0	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 400	23.3	77.3	84.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 300	23.3	77.3	84.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 200	23.3	77.3	84.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 100	23.3	77.3	84.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 0	23.3	77.3	84.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

1292A
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	24.0	29.3	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 20000	26.0	34.7	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 18000	26.0	34.7	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 16000	26.0	34.7	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 14000	26.0	35.3	36.0	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 12000	26.7	36.0	36.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 10000	29.3	38.7	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9000	29.3	38.7	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 8000	29.3	39.3	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 7000	30.0	40.7	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 6000	30.0	41.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 5000	31.3	42.7	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4500	32.0	43.3	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 4000	32.0	44.0	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 3500	32.0	44.0	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 3000	34.7	51.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 2500	36.7	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 2000	37.3	73.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1800	37.3	75.3	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500	37.3	83.3	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	36.0	86.7	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	38.0	89.3	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	38.0	89.3	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	38.0	89.3	92.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	38.0	89.3	92.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	38.0	90.0	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	38.0	90.0	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	38.0	90.0	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	38.0	90.0	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	38.0	90.0	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	38.0	90.0	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	38.0	90.0	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

1225
122545221

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928 STATION 12928 KINGSVILLE, TEXAS 73-77 YEARS APR MONTH 15 HOURS (L S T) 15

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	25.3	36.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	31.3	50.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	31.3	50.7	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	31.3	50.7	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	31.3	51.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	31.3	52.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	32.0	53.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	32.0	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	32.7	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	33.3	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	33.3	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	33.3	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	33.3	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	34.0	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500	35.3	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3000	38.0	73.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	38.7	80.0	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	39.3	85.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	39.3	86.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	39.3	87.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	39.3	87.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	39.3	88.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	39.3	88.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	39.3	88.0	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	39.3	88.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	39.3	88.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	39.3	88.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	39.3	88.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	39.3	88.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	39.3	88.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	39.3	88.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	39.3	88.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	25.3	37.3	38.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	31.3	54.0	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	31.3	54.0	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	31.3	54.0	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	31.3	54.7	55.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	31.3	56.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	32.0	60.7	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 9000	32.0	60.7	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	32.0	62.0	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	34.7	65.3	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 6000	35.3	66.0	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	35.3	66.7	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	36.0	67.3	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	37.3	68.7	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	37.3	69.3	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	38.7	71.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	39.3	74.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	40.7	76.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	40.7	77.3	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	40.7	81.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	40.7	82.7	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	40.7	84.7	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	40.7	86.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	40.7	86.7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	40.7	87.3	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	40.7	88.7	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	40.7	89.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	40.7	89.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	40.7	89.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	40.7	89.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	40.7	89.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	40.7	89.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

APR
MONTH21
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	34.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	36.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	36.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	36.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	36.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	37.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	37.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	37.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	38.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	39.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	40.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	42.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	42.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	42.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3500	43.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3000	43.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 2500	43.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 2000	44.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 1800	44.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 1500	44.7	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1200	46.0	78.0	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1000	46.7	81.3	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 900	47.3	85.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	48.0	87.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	48.0	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	48.7	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	48.7	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	48.7	93.3	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	48.7	93.3	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	48.7	93.3	95.3	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	48.7	93.3	95.3	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	48.7	93.3	95.3	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

12929
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	23.8	34.5	35.2	36.7	36.4	36.5	36.8	36.8	36.8	36.9	37.1	37.2	37.2
≥ 20000	27.3	42.3	43.1	44.3	44.7	44.5	45.1	45.2	45.2	45.3	45.6	45.7	45.7
≥ 18000	27.3	42.4	43.2	44.5	44.8	44.9	45.3	45.3	45.3	45.5	45.8	45.8	45.8
≥ 16000	27.3	42.5	43.3	44.6	44.9	45.0	45.3	45.4	45.4	45.6	45.8	45.9	45.9
≥ 14000	27.3	42.8	43.5	44.8	45.2	45.3	45.6	45.7	45.7	45.8	46.1	46.2	46.2
≥ 12000	27.8	43.6	44.3	45.6	46.1	46.2	46.6	46.7	46.7	46.8	47.1	47.2	47.2
≥ 10000	28.6	45.1	45.8	47.3	47.7	47.8	48.2	48.3	48.3	48.5	48.8	48.8	48.8
≥ 9000	28.7	45.3	46.1	47.5	47.9	48.0	48.4	48.5	48.5	48.8	49.0	49.1	49.1
≥ 8000	29.2	45.4	47.2	48.7	49.1	49.2	49.6	49.7	49.7	49.9	50.2	50.3	50.3
≥ 7000	29.8	47.4	48.3	49.8	50.3	50.3	50.8	50.8	50.8	51.1	51.3	51.4	51.4
≥ 6000	30.0	48.3	49.1	50.6	51.0	51.1	51.5	51.6	51.6	51.8	52.1	52.2	52.2
≥ 5000	31.0	50.1	50.9	52.4	52.8	52.9	53.3	53.4	53.4	53.7	53.9	54.0	54.0
≥ 4500	31.3	50.5	51.3	52.8	53.3	53.3	53.8	53.8	53.8	54.1	54.3	54.4	54.4
≥ 4000	31.6	51.3	52.3	53.8	54.2	54.3	54.7	54.8	54.8	55.0	55.3	55.3	55.3
≥ 3500	32.4	52.6	53.6	55.2	55.6	55.7	56.1	56.2	56.2	56.4	56.7	56.8	56.8
≥ 3000	33.6	55.7	57.1	58.7	59.1	59.2	59.6	59.7	59.7	59.9	60.2	60.3	60.3
≥ 2500	34.2	59.8	61.4	63.1	63.5	63.6	64.0	64.1	64.1	64.3	64.6	64.7	64.7
≥ 2000	34.9	63.5	65.4	67.3	67.8	67.9	68.3	68.4	68.4	68.7	68.9	69.0	69.0
≥ 1800	34.9	64.9	66.8	68.8	69.3	69.4	69.8	69.9	69.9	70.2	70.4	70.5	70.5
≥ 1500	35.8	70.5	73.0	75.2	75.9	76.0	76.4	76.5	76.5	76.8	77.0	77.1	77.1
≥ 1200	36.0	74.0	76.8	79.0	79.8	79.9	80.3	80.4	80.4	80.7	80.9	81.0	81.0
≥ 1000	36.5	77.3	80.7	83.3	84.3	84.4	84.8	84.9	84.9	85.2	85.4	85.6	85.6
≥ 900	36.7	79.3	82.7	85.3	86.3	86.4	86.9	87.0	87.0	87.3	87.6	87.8	87.8
≥ 800	36.8	80.4	84.1	86.9	88.1	88.3	88.8	88.8	88.8	89.2	89.4	89.6	89.6
≥ 700	36.9	81.6	85.5	88.3	89.5	89.8	90.3	90.3	90.3	90.7	90.9	91.1	91.1
≥ 600	37.2	83.0	87.1	90.3	91.5	91.8	92.4	92.6	92.6	93.0	93.3	93.4	93.4
≥ 500	37.3	84.0	88.3	92.0	93.5	93.9	94.7	94.9	94.9	95.3	95.6	95.8	95.8
≥ 400	37.3	84.1	88.6	92.3	93.8	94.6	95.5	95.8	95.8	96.3	96.6	96.9	96.9
≥ 300	37.3	84.1	88.7	92.4	94.0	94.8	95.7	95.9	96.0	96.8	97.2	97.4	97.4
≥ 200	37.3	84.1	88.7	92.4	94.1	94.8	95.8	96.1	96.3	97.1	97.5	97.8	97.8
≥ 100	37.3	84.1	88.7	92.4	94.1	94.8	95.8	96.3	96.4	97.3	97.8	98.3	98.3
≥ 0	37.3	84.1	88.7	92.4	94.1	94.8	95.8	96.3	96.4	97.3	97.8	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1292R
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.2	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	36.1	59.4	59.4	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	36.1	59.4	59.4	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	36.8	60.0	60.0	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	36.8	60.0	60.0	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	36.8	60.0	60.0	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	36.8	60.0	60.0	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	37.4	60.7	60.7	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	38.1	61.3	61.3	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	38.1	61.9	61.9	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	38.7	63.2	63.2	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	38.7	63.2	63.2	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	38.7	63.2	63.2	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	38.7	63.9	63.9	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	38.7	63.9	63.9	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	38.7	64.5	64.5	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	38.7	66.5	66.5	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000	40.0	69.0	69.0	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1800	40.0	71.0	71.0	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1500	42.6	76.1	76.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	43.9	82.6	82.6	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	45.2	87.7	88.4	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	45.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	45.2	91.6	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	45.2	92.9	93.6	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	45.2	94.2	94.8	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	45.8	95.5	96.1	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	45.8	95.5	96.1	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	45.8	96.1	96.8	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	45.8	96.1	96.8	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	45.8	96.1	96.8	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	45.8	96.1	96.8	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.7	43.2	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	29.0	49.0	51.6	52.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	29.0	49.0	51.6	52.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	29.0	49.0	51.6	52.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	29.0	49.0	51.6	52.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	29.0	49.0	51.6	52.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	30.3	51.0	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000	30.3	51.6	54.2	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	30.3	52.3	54.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000	31.0	53.6	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	31.0	53.6	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	31.6	54.2	56.8	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4500	31.6	54.2	56.8	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4000	31.6	54.2	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3500	32.9	56.1	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000	32.9	56.1	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 2500	32.9	57.4	60.7	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2000	34.2	60.7	63.9	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 1800	34.2	61.3	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 1500	36.1	66.4	71.6	73.5	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1200	36.1	75.5	78.7	80.7	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	36.1	80.0	83.2	85.2	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	38.1	80.0	83.2	85.2	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	38.1	81.9	85.2	87.1	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	38.1	83.2	87.1	89.7	91.0	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	38.7	84.5	89.0	91.6	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	39.4	86.5	91.0	94.2	95.5	96.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 400	39.4	86.5	91.0	94.2	95.5	96.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 300	39.4	87.1	91.6	94.8	96.1	97.4	97.4	98.1	98.1	98.1	98.7	98.7	98.7
≥ 200	39.4	87.1	91.6	94.8	96.1	97.4	97.4	98.1	98.1	98.1	98.7	98.7	98.7
≥ 100	39.4	87.1	91.6	94.8	96.1	97.4	97.4	98.1	98.1	98.1	98.7	98.7	98.7
0	39.4	87.1	91.6	94.8	96.1	97.4	97.4	98.1	98.1	98.1	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTH

06

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.3	23.9	25.2	28.4	31.6	32.9	34.2	34.2	34.2	35.5	35.5	35.5	35.5
≥ 20000	12.3	29.7	33.6	37.4	40.7	43.9	45.2	45.8	46.5	47.7	47.7	47.7	47.7
≥ 18000	12.3	29.7	33.6	37.4	40.7	43.9	45.2	45.8	46.5	47.7	47.7	47.7	47.7
≥ 16000	12.3	29.7	33.6	37.4	40.7	43.9	45.2	45.8	46.5	47.7	47.7	47.7	47.7
≥ 14000	12.3	29.7	33.6	37.4	40.7	43.9	45.2	45.8	46.5	47.7	47.7	47.7	47.7
≥ 12000	12.3	29.7	33.6	37.4	40.7	43.9	45.2	45.8	46.5	47.7	47.7	47.7	47.7
≥ 10000	12.3	31.0	34.8	38.7	43.2	47.1	48.4	49.0	49.7	51.0	51.0	51.0	51.0
≥ 9000	12.9	32.9	36.8	40.7	45.2	49.0	50.3	51.0	51.6	52.9	52.9	52.9	52.9
≥ 8000	12.9	33.6	38.1	42.6	47.1	51.0	52.3	52.9	53.6	54.8	54.8	54.8	54.8
≥ 7000	14.2	34.8	40.0	44.5	49.0	52.9	54.8	55.5	56.1	57.4	57.4	57.4	57.4
≥ 6000	14.2	34.8	40.0	44.5	49.0	52.9	54.8	55.5	56.1	57.4	57.4	57.4	57.4
≥ 5000	14.2	35.5	40.7	45.2	50.3	54.2	56.1	56.8	57.4	58.7	58.7	58.7	58.7
≥ 4500	14.2	35.5	40.7	45.2	50.3	54.2	56.1	56.8	57.4	58.7	58.7	58.7	58.7
≥ 4000	14.8	36.8	41.9	47.1	52.3	56.1	58.1	58.7	59.4	60.7	60.7	60.7	60.7
≥ 3500	14.8	36.8	42.6	47.7	52.9	56.8	58.7	59.4	60.0	61.3	61.3	61.3	61.3
≥ 3000	15.5	37.4	43.2	48.4	54.2	58.1	60.0	61.3	61.9	63.2	63.2	63.2	63.2
≥ 2500	15.5	38.7	44.5	49.7	55.5	59.4	61.3	62.6	63.2	64.5	64.5	64.5	64.5
≥ 2000	15.5	41.3	47.7	52.9	58.7	62.6	65.2	66.5	67.1	68.4	68.4	68.4	68.4
≥ 1800	15.5	41.9	48.4	53.6	59.4	63.2	65.8	67.1	67.7	69.0	69.0	69.0	69.0
≥ 1500	15.5	44.5	52.3	58.1	64.5	68.4	71.0	72.3	72.9	74.2	74.2	74.2	74.2
≥ 1200	15.5	46.5	56.8	63.2	70.3	74.2	76.8	78.1	78.7	80.0	80.0	80.0	80.0
≥ 1000	16.1	47.7	60.0	67.1	74.8	78.7	81.3	83.2	83.9	85.8	85.8	85.8	85.8
≥ 900	16.1	48.4	60.7	68.4	76.1	80.0	82.6	85.2	85.8	87.7	87.7	87.7	87.7
≥ 800	16.1	49.7	61.9	70.3	78.7	83.2	87.1	89.7	90.3	92.3	92.3	92.3	92.3
≥ 700	16.1	49.7	63.2	71.6	80.0	84.5	88.4	91.0	91.6	93.6	93.6	93.6	93.6
≥ 600	16.1	49.7	63.9	72.9	81.3	85.8	89.7	92.3	92.9	96.1	96.8	96.8	96.8
≥ 500	16.1	49.7	63.9	72.9	81.3	85.8	89.7	92.3	92.9	96.1	96.8	96.8	96.8
≥ 400	16.1	49.7	63.9	72.9	81.3	85.8	89.7	92.3	92.9	96.1	96.8	96.8	96.8
≥ 300	16.1	49.7	64.5	73.6	81.9	86.5	90.3	92.9	94.2	97.4	98.1	98.1	98.1
≥ 200	16.1	49.7	64.5	73.6	81.9	86.5	90.3	92.9	94.2	97.4	98.1	98.1	98.1
≥ 100	16.1	49.7	64.5	73.6	81.9	86.5	90.3	92.9	94.2	97.4	98.1	98.1	98.1
0	16.1	49.7	64.5	73.6	81.9	86.5	90.3	92.9	94.2	97.4	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

3080

3080

3080

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	14.8	27.1	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 20000	14.8	33.6	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 18000	14.8	33.6	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	14.8	33.6	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	15.5	34.2	36.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 12000	15.5	34.2	36.8	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	16.1	37.4	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	16.1	38.7	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	17.4	40.7	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	18.1	41.3	43.9	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 6000	18.1	41.3	43.9	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 5000	18.1	41.3	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4500	18.1	41.3	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4000	18.1	41.3	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 3500	18.7	43.2	45.8	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 3000	18.7	43.9	46.5	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 2500	19.4	46.5	51.0	52.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 2000	20.0	57.4	61.9	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1800	20.0	58.7	63.2	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 1500	20.7	72.9	78.1	79.4	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	20.7	78.7	84.5	85.8	87.1	87.1	87.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	20.7	83.9	90.3	92.3	93.6	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	20.7	83.9	90.3	92.3	93.6	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	20.7	83.9	90.3	93.6	94.8	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	20.7	83.9	90.3	94.2	95.5	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	20.7	83.9	91.0	94.8	96.8	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	20.7	83.9	91.0	94.8	96.8	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	20.7	83.9	91.0	94.8	96.8	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	20.7	83.9	91.0	94.8	96.8	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	20.7	83.9	91.0	94.8	96.8	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	20.7	83.9	91.0	94.8	96.8	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7
0	20.7	83.9	91.0	94.8	96.8	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTH12
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.7	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 20000	20.7	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 18000	20.7	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	20.7	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	20.7	36.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 12000	20.7	36.8	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	21.9	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	21.9	40.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	22.6	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 7000	22.6	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	22.6	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 5000	22.6	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 4500	22.6	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 4000	23.9	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 3500	25.2	45.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3000	26.5	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 2500	27.7	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2000	27.7	85.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	27.7	85.8	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	27.7	89.0	93.6	94.2	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	27.7	89.0	94.2	94.8	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	27.7	89.0	94.2	94.8	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	27.7	89.0	94.2	94.8	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	27.7	89.7	94.8	95.5	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	27.7	90.3	95.5	96.1	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	27.7	91.0	96.1	96.8	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	27.7	91.0	96.1	96.8	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	27.7	91.0	96.1	96.8	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	27.7	91.0	96.1	96.8	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	27.7	91.0	96.1	96.8	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	27.7	91.0	96.1	96.8	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	27.7	91.0	96.1	96.8	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

125

CEILING VERSUS VISIBILITY

12928
STATION

KINGVILLE, TEXAS
STATION NAME

73-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	20.0	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	23.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	23.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	23.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	23.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	23.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	23.9	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	23.9	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	25.2	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	25.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	25.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	25.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	25.8	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	26.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	27.1	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	29.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	29.7	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	29.7	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	29.7	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	29.7	94.2	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	29.7	94.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

15

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	26.5	45.2	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	32.9	70.3	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	32.9	70.3	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	32.9	70.3	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	32.9	70.3	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 12000	32.9	71.0	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	33.6	74.2	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	33.6	74.8	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	33.6	74.8	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	33.6	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	34.2	76.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	34.2	76.8	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	34.2	76.8	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	34.2	77.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	34.8	79.4	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	34.8	80.7	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	34.8	81.9	83.9	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	35.5	85.8	87.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	35.5	86.5	88.4	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	35.5	90.3	92.9	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	35.5	92.3	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	35.5	92.9	96.8	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	35.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	40.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	40.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	40.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	40.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	41.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	42.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	42.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	42.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000	42.6	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	43.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	43.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	43.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	43.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	43.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	44.5	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	44.5	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	45.2	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	45.2	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	47.7	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	48.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	48.4	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	48.4	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	48.4	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	48.4	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	48.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	48.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	48.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	48.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	48.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	48.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	48.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	23.5	39.9	40.9	41.5	42.0	42.2	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.5
≥ 20000	26.2	49.9	51.4	52.3	52.8	53.2	53.5	53.6	53.6	53.8	53.8	53.8	53.8	53.8
≥ 18000	26.2	49.9	51.4	52.3	52.8	53.2	53.5	53.6	53.6	53.8	53.8	53.8	53.8	53.8
≥ 16000	26.2	49.9	51.4	52.3	52.8	53.2	53.5	53.6	53.6	53.8	53.8	53.8	53.8	53.8
≥ 14000	26.2	49.9	51.4	52.3	52.8	53.2	53.5	53.6	53.6	53.8	53.8	53.8	53.8	53.8
≥ 12000	26.5	50.6	52.1	53.0	53.6	54.0	54.2	54.3	54.3	54.5	54.5	54.5	54.5	54.5
≥ 10000	27.2	53.0	54.5	55.4	56.1	56.6	56.9	57.0	57.0	57.2	57.2	57.2	57.2	57.2
≥ 9000	27.3	54.0	55.8	56.5	57.2	57.7	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2
≥ 8000	27.8	55.1	56.8	57.8	58.6	59.0	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6
≥ 7000	28.2	56.1	57.8	58.9	59.7	60.2	60.5	60.6	60.7	60.8	60.8	60.8	60.8	60.8
≥ 6000	28.4	56.7	58.6	59.8	60.6	61.1	61.4	61.5	61.5	61.7	61.7	61.7	61.7	61.7
≥ 5000	28.5	57.0	59.0	60.1	61.0	61.5	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1
≥ 4500	28.6	57.2	59.1	60.2	61.1	61.6	61.9	62.0	62.1	62.3	62.3	62.3	62.3	62.3
≥ 4000	28.9	57.9	59.9	61.1	62.0	62.5	62.8	62.9	63.0	63.2	63.2	63.2	63.2	63.2
≥ 3500	29.5	59.5	61.6	62.9	63.9	64.4	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0
≥ 3000	30.1	62.2	64.3	65.7	66.7	67.2	67.5	67.7	67.7	67.9	67.9	67.9	67.9	67.9
≥ 2500	30.4	66.3	68.6	69.9	71.1	71.5	71.9	72.0	72.1	72.3	72.3	72.3	72.3	72.3
≥ 2000	31.0	71.6	74.4	75.7	76.9	77.4	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2
≥ 1800	31.0	72.4	75.2	76.6	77.7	78.3	78.7	78.9	79.0	79.1	79.1	79.1	79.1	79.1
≥ 1500	31.9	77.7	81.1	82.7	84.0	84.8	85.2	85.5	85.6	85.7	85.7	85.7	85.7	85.7
≥ 1200	32.4	81.1	85.0	86.8	88.3	89.1	89.7	89.9	90.0	90.2	90.2	90.2	90.2	90.2
≥ 1000	32.7	83.6	88.0	90.2	91.8	92.6	93.2	93.6	93.6	93.9	93.9	93.9	93.9	93.9
≥ 900	32.7	84.1	88.5	90.7	92.3	93.2	93.9	94.4	94.4	94.7	94.7	94.7	94.7	94.7
≥ 800	32.7	84.9	89.3	91.8	93.6	94.4	95.2	95.8	95.9	96.1	96.1	96.1	96.1	96.1
≥ 700	32.7	85.5	90.2	92.8	94.6	95.5	96.3	96.9	96.9	97.2	97.2	97.2	97.2	97.2
≥ 600	32.7	85.9	90.9	93.6	95.5	96.4	97.3	97.8	97.9	98.4	98.5	98.5	98.5	98.5
≥ 500	32.9	86.3	91.3	94.1	96.1	96.9	97.8	98.4	98.5	99.0	99.1	99.1	99.1	99.1
≥ 400	32.9	86.3	91.3	94.1	96.1	97.0	97.9	98.5	98.5	99.0	99.2	99.2	99.2	99.2
≥ 300	32.9	86.5	91.5	94.4	96.4	97.3	98.2	98.7	98.9	99.4	99.5	99.5	99.5	99.5
≥ 200	32.9	86.5	91.5	94.4	96.4	97.3	98.2	98.7	98.9	99.4	99.5	99.5	99.5	99.5
≥ 100	32.9	86.5	91.5	94.4	96.4	97.3	98.2	98.7	98.9	99.4	99.5	99.5	99.5	99.5
0	32.9	86.5	91.5	94.4	96.4	97.3	98.2	98.7	98.9	99.4	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUN
MONTH

00
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	48.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 20000	52.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 18000	52.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 16000	52.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 14000	52.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000	52.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	52.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	52.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	52.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	52.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	52.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	52.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	52.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	52.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	52.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	53.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	54.0	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	54.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	54.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	55.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	56.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	56.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	56.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	56.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	56.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	56.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	56.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	56.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	56.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	56.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	56.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	56.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	39.3	60.0	64.0	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	43.3	68.7	72.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	43.3	68.7	72.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	43.3	68.7	72.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	43.3	68.7	72.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	43.3	68.7	72.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	43.3	70.0	74.0	75.3	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000	44.0	70.7	74.7	76.0	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	44.7	72.0	76.0	77.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	45.3	74.0	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	45.3	74.0	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	45.3	74.0	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	45.3	74.0	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	46.0	74.7	78.7	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	46.0	74.7	78.7	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	46.0	75.3	79.3	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	46.7	76.7	80.7	82.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	46.7	76.7	80.7	82.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	46.7	78.0	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	47.3	79.3	83.3	84.7	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	49.3	84.7	88.7	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	52.0	89.3	93.3	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	52.7	90.0	94.0	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	52.7	90.7	94.7	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	52.7	91.3	95.3	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	52.7	92.0	96.0	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	52.7	92.0	96.7	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	52.7	92.0	96.7	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	52.7	92.0	96.7	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	52.7	92.0	96.7	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	52.7	92.0	96.7	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	52.7	92.0	96.7	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	8.0	34.0	42.0	45.3	48.7	49.3	50.7	51.3	52.0	53.3	55.3	56.0
≥ 20000	8.7	35.0	46.7	50.0	53.3	54.0	55.3	56.0	56.7	58.0	60.0	60.7
≥ 18000	8.7	38.0	46.7	50.0	53.3	54.0	55.3	56.0	56.7	58.0	60.0	60.7
≥ 16000	8.7	38.0	46.7	50.0	53.3	54.0	55.3	56.0	56.7	58.0	60.0	60.7
≥ 14000	8.7	38.0	46.7	50.0	53.3	54.0	55.3	56.0	56.7	58.0	60.0	60.7
≥ 12000	8.7	38.0	46.7	50.0	53.3	54.0	55.3	56.0	56.7	58.0	60.0	60.7
≥ 10000	8.7	41.3	50.7	55.3	59.3	60.0	61.3	62.0	62.7	64.0	66.7	67.3
≥ 9000	8.7	42.0	51.3	56.0	60.0	60.7	62.0	62.7	63.3	64.7	67.3	68.0
≥ 8000	8.7	42.7	52.0	57.3	61.3	62.0	63.3	64.0	64.7	66.0	68.7	69.3
≥ 7000	8.7	42.7	52.0	57.3	61.3	62.0	63.3	64.0	64.7	66.0	68.7	69.3
≥ 6000	9.3	43.3	52.7	58.0	62.0	62.7	64.0	64.7	65.3	66.7	69.3	70.0
≥ 5000	9.3	43.3	52.7	58.0	62.0	62.7	64.0	64.7	65.3	66.7	69.3	70.0
≥ 4500	9.3	43.3	52.7	58.0	62.0	62.7	64.0	64.7	65.3	66.7	69.3	70.0
≥ 4000	9.3	44.7	54.0	59.3	63.3	64.0	65.3	66.0	66.7	68.0	70.7	71.3
≥ 3500	9.3	44.7	54.0	59.3	63.3	64.0	65.3	66.0	66.7	68.0	70.7	71.3
≥ 3000	9.3	46.0	55.3	60.7	65.3	66.0	67.3	68.0	68.7	70.0	72.7	73.3
≥ 2500	9.3	46.7	56.0	61.3	67.3	68.0	69.3	70.0	70.7	72.0	74.7	75.3
≥ 2000	10.7	49.3	58.7	64.7	70.7	71.3	72.7	73.3	74.0	75.3	78.0	78.7
≥ 1800	10.7	49.3	58.7	64.7	70.7	71.3	72.7	73.3	74.0	75.3	78.0	78.7
≥ 1500	11.3	52.7	62.7	68.7	74.7	75.3	77.3	78.0	78.7	80.0	82.7	83.3
≥ 1200	11.3	55.3	66.7	72.7	78.7	79.3	81.3	82.0	82.7	84.0	86.7	87.3
≥ 1000	11.3	57.3	68.7	75.3	81.3	82.7	85.3	86.0	86.7	88.0	90.7	91.3
≥ 900	11.3	58.0	69.3	77.3	83.3	84.7	87.3	88.0	88.7	90.0	92.7	93.3
≥ 800	11.3	60.0	71.3	79.3	86.0	87.3	90.0	90.7	91.3	92.7	95.3	96.0
≥ 700	11.3	60.0	71.3	79.3	86.0	87.3	90.0	90.7	91.3	92.7	95.3	96.0
≥ 600	11.3	61.3	72.7	80.7	87.3	88.7	91.3	92.0	92.7	94.0	96.7	97.3
≥ 500	11.3	61.3	72.7	80.7	87.3	88.7	91.3	92.0	92.7	94.0	96.7	97.3
≥ 400	11.3	61.3	72.7	80.7	87.3	88.7	91.3	92.0	92.7	94.0	96.7	97.3
≥ 300	11.3	61.3	72.7	80.7	87.3	88.7	91.3	92.0	92.7	94.0	96.7	97.3
≥ 200	11.3	61.3	72.7	80.7	87.3	88.7	91.3	92.0	92.7	94.0	96.7	97.3
≥ 100	11.3	61.3	72.7	80.7	87.3	88.7	91.3	92.0	92.7	94.0	96.7	97.3
0	11.3	61.3	72.7	80.7	87.3	88.7	91.3	92.0	92.7	94.0	96.7	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUN
MONTH

09

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	10.0	30.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	12.0	36.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
18000	12.0	36.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
16000	12.0	36.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
14000	12.0	37.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
12000	12.0	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
10000	12.0	40.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
9000	12.0	41.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
8000	12.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
7000	12.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
6000	12.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
5000	12.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
4500	12.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
4000	12.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
3500	12.7	44.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
3000	12.7	46.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
2500	14.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2000	18.0	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
1800	20.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
1500	22.7	86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1200	22.7	90.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1000	22.7	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
900	22.7	92.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
800	22.7	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	22.7	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600	22.7	94.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
500	22.7	94.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	22.7	94.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	22.7	94.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	22.7	94.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	22.7	94.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	22.7	94.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.7	29.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	16.0	36.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	16.0	36.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	16.0	36.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	16.0	37.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 12000	16.7	38.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	19.7	40.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	16.7	40.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 8000	16.7	40.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 7000	16.7	40.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 6000	16.7	40.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 5000	16.7	40.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4500	16.7	40.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4000	16.7	40.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 3500	21.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 3000	30.0	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	34.7	80.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	35.3	87.3	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	35.3	88.0	90.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	35.3	88.0	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	35.3	88.7	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	35.3	90.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	35.3	90.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	35.3	90.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12920
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	21.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	24.7	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	25.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	25.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	25.3	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	25.3	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	25.3	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	25.3	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	25.3	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	26.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	26.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	27.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
4500	28.0	78.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
4000	28.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
3500	31.3	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3000	32.0	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2500	32.7	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000	33.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1800	33.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1500	33.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1200	33.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1000	33.3	95.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
900	33.3	95.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
800	33.3	95.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	33.3	95.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600	33.3	95.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
500	33.3	96.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	33.3	96.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	33.3	96.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	33.3	96.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	33.3	96.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	33.3	96.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1292R
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUN
MONTH

18

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	35.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 20000	40.0	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 18000	40.0	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 16000	40.0	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 14000	40.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 12000	40.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 10000	42.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 9000	42.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 8000	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 6000	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 5000	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4500	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4000	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	42.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	42.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	42.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	42.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12095-0101

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	48.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	52.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	52.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 16000	52.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 14000	52.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 12000	52.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	52.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 9000	52.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 8000	53.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 7000	54.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 6000	54.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 5000	54.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	54.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000	54.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	54.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	54.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	54.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	54.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	55.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	56.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	56.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	56.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	56.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	56.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	56.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	27.8	51.7	53.6	54.4	54.9	55.0	55.3	55.4	55.6	55.8	55.9	55.9
≥ 20000	31.1	61.1	63.3	63.9	64.4	64.5	64.8	64.9	65.1	65.3	65.4	65.5
18000	31.2	61.2	63.4	64.0	64.5	64.6	64.8	65.0	65.2	65.4	65.5	65.6
16000	31.2	61.2	63.4	64.1	64.6	64.7	64.9	65.0	65.1	65.3	65.5	65.7
14000	31.2	61.6	63.9	64.6	65.1	65.2	65.4	65.5	65.6	65.8	66.0	66.1
12000	31.3	62.6	64.9	65.7	66.2	66.3	66.5	66.6	66.7	66.8	67.1	67.2
10000	31.6	64.8	67.3	68.0	68.6	68.7	68.9	69.1	69.2	69.3	69.7	69.8
9000	31.7	65.3	67.8	68.5	69.1	69.2	69.4	69.6	69.7	69.8	70.2	70.3
8000	31.9	66.8	69.3	70.1	70.7	70.8	71.0	71.2	71.3	71.4	71.8	71.9
7000	32.3	67.8	70.2	71.0	71.6	71.7	71.9	72.1	72.2	72.3	72.8	72.8
6000	32.3	67.8	70.3	71.1	71.7	71.6	72.0	72.2	72.3	72.4	72.8	72.8
5000	32.4	68.0	70.4	71.3	71.8	71.9	72.2	72.3	72.4	72.6	72.9	73.0
4500	32.5	68.1	70.5	71.3	71.9	72.0	72.3	72.4	72.5	72.7	73.0	73.1
4000	32.6	68.5	70.9	71.8	72.3	72.4	72.7	72.8	72.9	73.1	73.4	73.5
3500	33.7	70.3	72.7	73.5	74.2	74.3	74.5	74.7	74.8	74.9	75.3	75.3
3000	34.9	74.2	76.6	77.4	78.1	78.2	78.4	78.6	78.7	78.8	79.2	79.3
2500	35.8	77.0	79.4	80.3	81.1	81.2	81.4	81.6	81.7	81.8	82.2	82.3
2000	37.0	81.1	83.6	84.4	85.5	85.6	85.8	86.0	86.1	86.3	86.6	86.7
1800	37.3	82.2	84.7	85.7	86.6	86.7	86.9	87.1	87.2	87.3	87.7	87.8
1500	38.0	85.2	87.9	89.0	89.9	90.0	90.3	90.5	90.6	90.8	91.1	91.2
1200	38.3	87.8	91.0	92.1	93.0	93.1	93.4	93.6	93.7	93.8	94.2	94.3
1000	38.7	89.6	92.9	94.1	95.1	95.3	95.7	95.8	95.9	96.1	96.4	96.5
900	38.8	90.0	93.3	94.7	95.7	95.8	96.3	96.4	96.5	96.7	97.0	97.1
800	38.8	90.8	94.3	95.7	96.8	96.9	97.3	97.5	97.6	97.8	98.1	98.2
700	38.8	91.0	94.4	95.8	96.9	97.1	97.5	97.7	97.8	97.9	98.3	98.3
600	38.8	91.3	94.8	96.2	97.3	97.4	97.8	98.1	98.2	98.4	98.8	98.8
500	38.8	91.5	95.0	96.5	97.6	97.8	98.3	98.5	98.6	98.8	99.2	99.3
400	38.8	91.5	95.0	96.5	97.6	97.8	98.3	98.5	98.7	98.9	99.3	99.3
300	38.8	91.5	95.0	96.5	97.6	97.8	98.3	98.5	98.7	98.9	99.3	99.3
200	38.8	91.5	95.0	96.5	97.6	97.8	98.3	98.5	98.7	98.9	99.3	99.3
100	38.8	91.5	95.0	96.5	97.6	97.8	98.3	98.5	98.7	98.9	99.3	99.3
0	38.8	91.5	95.0	96.5	97.6	97.8	98.3	98.5	98.7	98.9	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

1200

12

18130 54221

7225

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	54.8	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 20000	56.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	56.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 16000	56.8	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 14000	56.8	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	56.8	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 10000	58.1	90.3	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 9000	58.7	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 8000	60.0	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 7000	60.7	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	60.7	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	60.7	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4500	60.7	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	60.7	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	61.3	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	61.3	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	61.3	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	61.3	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	61.9	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	61.9	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	61.9	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	61.9	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	61.9	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	61.9	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	61.9	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	52.3	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 20000	54.2	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 18000	54.2	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 16000	54.2	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 14000	54.2	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 12000	54.2	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 10000	55.5	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 9000	55.5	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 8000	56.1	89.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 7000	59.4	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 6000	59.4	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 5000	59.4	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4500	59.4	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	60.0	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	60.7	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	60.7	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	60.7	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	60.7	91.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	60.7	91.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	61.9	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	61.9	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	61.9	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	61.9	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

1225

1225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12923
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.7	43.2	52.9	61.9	66.5	66.5	69.7	71.0	71.0	72.3	72.9	72.9	72.9	72.9	72.9
≥ 20000	10.3	47.1	58.1	69.7	74.8	74.8	78.1	79.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3
≥ 18000	10.3	47.1	58.1	69.7	74.8	74.8	78.1	79.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3
≥ 16000	10.3	47.1	58.1	69.7	74.8	74.8	78.1	79.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3
≥ 14000	10.3	47.1	58.1	69.7	74.8	74.8	78.1	79.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3
≥ 12000	10.3	47.1	58.1	69.7	74.8	74.8	78.1	79.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3
≥ 10000	11.0	51.0	62.0	74.2	79.4	79.4	82.6	83.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8
≥ 9000	11.0	51.0	62.0	74.2	79.4	79.4	82.6	83.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8
≥ 8000	11.0	53.6	65.2	78.7	83.9	83.9	87.1	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3
≥ 7000	11.0	53.6	65.2	78.7	83.9	83.9	87.1	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3
≥ 6000	11.0	53.6	65.2	78.7	83.9	83.9	87.1	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3
≥ 5000	11.0	53.6	65.2	78.7	83.9	83.9	87.1	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3
≥ 4500	11.0	53.6	65.2	78.7	83.9	83.9	87.1	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3
≥ 4000	11.6	54.2	65.8	79.4	84.5	84.5	87.7	89.0	89.0	90.3	91.0	91.0	91.0	91.0	91.0
≥ 3500	11.6	54.2	65.8	79.4	84.5	84.5	87.7	89.0	89.0	90.3	91.0	91.0	91.0	91.0	91.0
≥ 3000	11.6	54.2	65.8	79.4	84.5	84.5	87.7	89.0	89.0	90.3	91.0	91.0	91.0	91.0	91.0
≥ 2500	11.6	54.2	65.8	79.4	84.5	84.5	87.7	89.0	89.0	90.3	91.0	91.0	91.0	91.0	91.0
≥ 2000	12.3	54.8	66.5	81.9	87.1	87.1	90.3	91.6	91.6	92.9	93.6	93.6	93.6	93.6	93.6
≥ 1800	12.3	54.8	66.5	81.9	87.1	87.1	90.3	91.6	91.6	92.9	93.6	93.6	93.6	93.6	93.6
≥ 1500	12.3	57.4	69.0	84.5	89.7	89.7	92.9	94.2	94.2	95.5	96.1	96.1	96.1	96.1	96.1
≥ 1200	12.3	57.4	69.0	84.5	89.7	89.7	92.9	94.2	94.2	95.5	96.1	96.1	96.1	96.1	96.1
≥ 1000	12.3	58.1	69.7	85.8	91.0	91.0	94.8	96.1	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 900	12.3	58.1	69.7	85.8	91.0	91.0	94.8	96.1	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 800	12.3	58.1	69.7	85.8	91.0	91.0	94.8	96.1	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 700	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4
≥ 600	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4
≥ 500	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4
≥ 400	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4
≥ 300	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4
≥ 200	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4
≥ 100	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4
0	12.3	59.4	71.0	87.1	92.3	92.3	96.1	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 12928 KINGSVILLE, TEXAS 73-77 YEARS MONTH JUL HOURS 09

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	12.9	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	14.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	14.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	14.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	15.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	16.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3500	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3000	17.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 2500	18.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2000	21.9	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	23.9	75.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1500	25.8	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	26.5	92.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	26.5	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	26.5	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	26.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 135

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	19.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	25.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	25.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	25.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	25.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	25.8	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	27.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	27.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	27.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	27.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	27.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	27.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	27.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	27.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	29.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	36.8	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	41.3	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	42.6	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	42.6	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	42.6	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATIONKINGVILLE, TEXAS
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.6	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	39.4	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 18000	39.4	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 16000	39.4	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 14000	39.4	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	39.4	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	39.4	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	39.4	81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 8000	39.4	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	39.4	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	39.4	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	39.4	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	39.4	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	39.4	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	41.3	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	43.2	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	43.9	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	44.5	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	44.5	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	44.5	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	44.5	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	44.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	44.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	44.5	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.6	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	43.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 18000	43.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 16000	43.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 14000	43.9	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 12000	43.9	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 10000	45.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 9000	45.2	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 8000	45.2	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	45.2	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 6000	45.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000	45.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4500	45.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4000	45.2	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	45.2	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	45.2	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	45.2	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	45.2	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	45.2	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	45.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	54.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 20000	59.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
18000	59.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
16000	59.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
14000	59.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
12000	59.4	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
10000	60.0	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
9000	61.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
8000	61.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
7000	61.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
6000	61.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
5000	62.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
4500	62.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
4000	62.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
3500	62.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
3000	62.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2500	63.2	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2000	63.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1800	63.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1500	63.2	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1200	63.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	63.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
900	63.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	63.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

125

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

1292A
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.8	61.6	63.2	64.5	65.1	65.1	65.5	65.7	65.7	65.9	65.9	65.9
≥ 20000	38.1	72.1	74.1	75.7	76.4	76.4	76.8	76.9	76.9	77.2	77.2	77.2
≥ 18000	38.1	72.1	74.1	75.7	76.4	76.4	76.8	76.9	76.9	77.2	77.2	77.2
≥ 16000	38.1	72.2	74.3	75.9	76.5	76.5	76.9	77.1	77.1	77.3	77.3	77.3
≥ 14000	38.2	72.7	74.8	76.5	77.1	77.1	77.5	77.7	77.7	77.9	77.9	77.9
≥ 12000	38.2	73.7	76.1	77.7	78.4	78.4	78.8	79.0	79.0	79.2	79.2	79.2
≥ 10000	39.2	76.2	78.6	80.3	81.0	81.0	81.4	81.5	81.5	81.8	81.8	81.8
≥ 9000	39.4	76.8	79.2	81.0	81.6	81.6	82.0	82.2	82.2	82.4	82.4	82.4
≥ 8000	40.1	79.0	81.5	83.4	84.0	84.0	84.4	84.6	84.6	84.8	84.8	84.8
≥ 7000	40.3	79.4	81.9	83.8	84.4	84.4	84.8	85.0	85.0	85.2	85.2	85.2
≥ 6000	40.3	79.5	82.0	84.0	84.6	84.6	85.0	85.2	85.2	85.4	85.4	85.4
≥ 5000	40.4	79.7	82.2	84.1	84.8	84.8	85.2	85.3	85.3	85.6	85.6	85.6
≥ 4500	40.4	79.7	82.2	84.1	84.8	84.8	85.2	85.3	85.3	85.6	85.6	85.6
≥ 4000	40.6	79.8	82.3	84.4	85.0	85.0	85.4	85.6	85.6	85.8	85.8	85.8
≥ 3500	41.2	80.7	83.2	85.2	85.9	85.9	86.4	86.5	86.5	86.8	86.8	86.8
≥ 3000	42.3	82.7	85.2	87.3	87.9	87.9	88.4	88.6	88.6	88.8	88.8	88.8
≥ 2500	43.2	84.9	87.6	89.6	90.2	90.2	90.7	90.9	90.9	91.1	91.1	91.1
≥ 2000	44.0	87.2	90.1	92.4	93.1	93.1	93.6	93.8	93.8	94.0	94.0	94.0
≥ 1800	44.3	87.7	90.6	92.9	93.6	93.6	94.2	94.4	94.4	94.6	94.6	94.6
≥ 1500	44.7	89.9	92.3	95.2	95.9	95.9	96.5	96.6	96.6	96.9	96.9	96.9
≥ 1200	44.8	91.3	94.2	96.5	97.3	97.3	97.8	98.0	98.0	98.2	98.2	98.2
≥ 1000	44.8	91.8	94.7	97.1	97.8	97.8	98.5	98.6	98.6	98.9	98.9	98.9
≥ 900	44.8	91.9	94.8	97.2	97.9	97.9	98.6	98.7	98.7	99.0	99.0	99.0
≥ 800	44.8	92.3	95.3	97.7	98.5	98.5	99.1	99.3	99.3	99.5	99.5	99.5
≥ 700	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
≥ 600	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
≥ 500	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
≥ 400	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
≥ 300	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
≥ 200	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
≥ 100	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
0	44.8	92.4	95.4	97.8	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	50.3	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 20000	58.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	58.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 16000	58.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 14000	58.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	59.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	61.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	61.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 7000	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4500	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	61.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	62.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

CEILING VERSUS VISIBILITY

AUG
MONTH

03
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	50.3	75.5	77.4	77.4	78.7	78.7	79.4	79.4	79.4	80.0	80.0	80.0
≥ 20000	55.5	81.3	83.2	83.2	84.5	84.5	85.2	85.2	85.2	85.8	85.8	85.8
≥ 18000	55.5	81.3	83.2	83.2	84.5	84.5	85.2	85.2	85.2	85.8	85.8	85.8
≥ 16000	55.5	81.3	83.2	83.2	84.5	84.5	85.2	85.2	85.2	85.8	85.8	85.8
≥ 14000	56.1	81.9	83.9	83.9	85.2	85.2	85.8	85.8	85.8	86.5	86.5	86.5
≥ 12000	57.4	84.5	86.5	86.5	87.7	87.7	88.4	88.4	88.4	89.0	89.0	89.0
≥ 10000	60.0	88.4	90.3	90.3	91.6	91.6	92.3	92.3	92.3	92.9	92.9	92.9
≥ 9000	60.7	89.0	91.0	91.0	92.3	92.3	92.9	92.9	92.9	93.6	93.6	93.6
≥ 8000	60.7	91.6	93.6	93.6	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1
≥ 7000	61.3	92.3	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 6000	61.3	92.3	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 5000	61.3	92.3	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 4500	61.3	92.3	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 4000	61.3	92.3	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 3500	61.9	92.9	94.8	94.8	96.1	96.1	96.8	96.8	96.8	97.4	97.4	97.4
≥ 3000	61.9	92.9	94.8	94.8	96.1	96.1	96.8	96.8	96.8	97.4	97.4	97.4
≥ 2500	61.9	92.9	95.5	95.5	96.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 2000	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1800	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1500	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1200	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1000	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 900	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 800	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 700	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 600	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 500	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 400	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 300	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 200	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 100	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 0	61.9	94.2	96.8	96.8	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.0	46.5	56.1	61.9	65.8	66.5	67.1	67.1	67.7	69.0	71.0	71.0	71.0	71.0	71.0
≥ 20000	10.3	51.6	61.3	68.4	72.9	73.6	74.8	74.8	75.5	76.8	78.7	78.7	79.4	79.4	79.4
≥ 18000	10.3	51.6	61.3	68.4	72.9	73.6	74.8	74.8	75.5	76.8	78.7	78.7	79.4	79.4	79.4
≥ 16000	10.3	51.6	61.3	68.4	72.9	73.6	74.8	74.8	75.5	76.8	78.7	78.7	79.4	79.4	79.4
≥ 14000	10.3	51.6	61.3	68.4	72.9	73.6	74.8	74.8	75.5	76.8	78.7	78.7	79.4	79.4	79.4
≥ 12000	11.0	53.6	63.2	70.3	74.8	75.5	77.4	77.4	78.1	79.4	81.3	81.3	81.9	81.9	81.9
≥ 10000	12.3	57.4	67.7	74.8	79.4	80.0	82.6	82.6	83.2	84.5	86.5	86.5	87.1	87.1	87.1
≥ 9000	12.3	58.1	68.4	75.5	80.0	80.7	83.2	83.2	83.9	85.2	87.1	87.1	87.7	87.7	87.7
≥ 8000	12.3	60.7	72.3	79.4	83.9	84.5	87.1	87.1	87.7	89.0	91.0	91.0	91.6	91.6	91.6
≥ 7000	12.3	61.3	72.9	80.0	84.5	85.2	87.7	87.7	88.4	89.7	91.6	91.6	92.3	92.3	92.3
≥ 6000	12.3	61.3	73.6	80.7	85.8	86.5	89.0	89.0	89.7	91.0	92.9	92.9	93.6	93.6	93.6
≥ 5000	12.3	61.3	73.6	80.7	85.8	86.5	89.0	89.0	89.7	91.0	92.9	92.9	93.6	93.6	93.6
≥ 4500	12.3	61.3	73.6	80.7	85.8	86.5	89.0	89.0	89.7	91.0	92.9	92.9	93.6	93.6	93.6
≥ 4000	12.3	61.3	73.6	80.7	85.8	86.5	89.0	89.0	89.7	91.0	92.9	92.9	93.6	93.6	93.6
≥ 3500	12.3	61.9	74.2	81.3	86.5	87.1	89.7	89.7	90.3	91.6	93.6	93.6	94.2	94.2	94.2
≥ 3000	12.3	61.9	74.2	81.3	86.5	87.1	89.7	89.7	90.3	91.6	93.6	93.6	94.2	94.2	94.2
≥ 2500	12.3	61.9	74.2	81.3	86.5	87.1	89.7	89.7	90.3	91.6	93.6	93.6	94.2	94.2	94.2
≥ 2000	12.9	63.2	75.5	82.6	87.7	88.4	91.0	91.0	91.6	92.9	94.8	94.8	95.5	95.5	95.5
≥ 1800	12.9	63.9	76.1	83.2	88.4	89.0	91.6	91.6	92.3	93.6	95.5	95.5	96.1	96.1	96.1
≥ 1500	14.2	65.2	77.4	84.5	89.7	90.3	92.9	92.9	93.6	94.8	96.8	96.8	97.4	97.4	97.4
≥ 1200	14.2	65.8	78.7	85.8	91.0	91.6	94.2	94.2	94.8	96.1	98.1	98.1	98.7	98.7	98.7
≥ 1000	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 900	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 800	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 700	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 600	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 500	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 400	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 300	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 200	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 100	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4
≥ 0	14.2	66.5	79.4	86.5	91.6	92.3	94.8	94.8	95.5	96.8	98.7	98.7	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

1225

1225

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

AUG
MONTH

09
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	12.9	42.6	42.6	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	14.2	51.6	51.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	14.2	51.6	51.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	14.2	52.3	52.3	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	14.8	52.9	52.9	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	14.8	55.5	55.5	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	15.5	61.3	61.3	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	15.5	61.3	61.3	63.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	15.5	61.9	61.9	64.5	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	15.5	61.9	61.9	64.5	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	15.5	63.2	63.9	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	15.5	63.2	63.9	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	15.5	63.2	63.9	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	15.5	63.2	63.9	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	15.5	63.2	63.9	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3000	15.5	63.9	64.5	67.7	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2500	16.1	66.5	67.1	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	18.7	80.7	81.3	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	18.7	81.3	81.9	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	20.0	87.1	87.7	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	20.7	89.7	90.3	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	21.3	93.6	94.2	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	21.3	93.6	94.2	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	21.3	93.6	94.2	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	21.3	93.6	94.2	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	21.3	93.6	94.2	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	21.3	94.2	94.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	21.3	94.2	94.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	21.3	94.2	94.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	21.3	94.2	94.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	21.3	94.2	94.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	21.3	94.2	94.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	14.2	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	16.8	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	16.8	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	16.8	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	17.4	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	18.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	18.1	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	18.1	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	18.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	18.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	18.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	18.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4500	18.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	18.1	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3500	20.7	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	24.5	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	27.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	29.7	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	29.7	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	29.7	96.8	98.1	99.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	29.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	16.1	43.2	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	24.5	67.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 18000	24.5	67.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 16000	24.5	67.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000	25.8	69.0	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	26.5	72.9	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	27.7	80.0	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	27.7	80.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 8000	27.7	81.9	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	27.7	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000	27.7	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	27.7	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	27.7	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	27.7	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	27.7	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	30.3	90.3	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	33.6	94.8	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	33.6	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	33.6	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	33.6	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

18

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.9	53.6	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	31.6	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000	31.6	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 16000	31.6	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000	34.2	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 12000	36.1	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 10000	36.8	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 9000	36.8	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 8000	36.8	96.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	36.8	96.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	36.8	96.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	36.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	36.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	36.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	36.8	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	37.4	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	37.4	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	37.4	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	37.4	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	37.4	98.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	37.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12920
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	44.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	54.8	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 18000	54.8	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 16000	54.8	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 14000	55.5	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	56.1	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	57.4	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	57.4	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	59.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.4	57.0	58.7	60.0	61.0	61.1	61.2	61.2	61.3	61.5	61.8	61.8	61.8
≥ 20000	33.2	70.7	72.4	73.9	74.9	75.0	75.2	75.2	75.3	75.6	75.8	75.8	75.9
≥ 18000	33.2	70.7	72.4	73.9	74.9	75.0	75.2	75.2	75.3	75.6	75.8	75.8	75.9
≥ 16000	33.2	70.8	72.5	74.0	75.0	75.1	75.3	75.3	75.4	75.7	75.9	75.9	76.0
≥ 14000	34.1	71.9	73.6	75.0	76.1	76.1	76.4	76.4	76.5	76.7	76.9	76.9	77.0
≥ 12000	34.9	74.5	76.2	77.7	78.7	78.8	79.1	79.1	79.2	79.4	79.7	79.7	79.8
≥ 10000	36.1	79.0	80.7	82.2	83.3	83.4	83.8	83.8	83.9	84.1	84.4	84.4	84.4
≥ 9000	36.2	79.3	81.1	82.5	83.6	83.8	84.2	84.2	84.3	84.5	84.8	84.8	84.8
≥ 8000	36.5	81.3	83.2	84.7	85.8	86.0	86.4	86.4	86.5	86.7	86.9	86.9	87.0
≥ 7000	36.5	81.5	83.5	85.0	86.1	86.3	86.7	86.7	86.8	87.0	87.3	87.3	87.3
≥ 6000	36.5	81.7	83.8	85.3	86.5	86.7	87.1	87.1	87.2	87.4	87.7	87.7	87.7
≥ 5000	36.5	81.8	83.9	85.4	86.6	86.8	87.2	87.2	87.3	87.5	87.7	87.7	87.8
≥ 4500	36.5	81.9	84.0	85.7	86.9	87.0	87.4	87.4	87.5	87.7	88.0	88.0	88.1
≥ 4000	36.5	81.9	84.0	85.7	86.9	87.0	87.4	87.4	87.5	87.7	88.0	88.0	88.1
≥ 3500	36.9	82.7	84.8	86.5	87.7	87.8	88.2	88.2	88.3	88.6	88.8	88.8	88.9
≥ 3000	37.8	85.6	87.7	89.3	90.5	90.7	91.1	91.1	91.1	91.4	91.6	91.6	91.7
≥ 2500	38.7	87.6	89.8	91.4	92.6	92.7	93.2	93.2	93.2	93.5	93.7	93.7	93.8
≥ 2000	39.5	90.7	92.9	94.8	96.1	96.2	96.6	96.6	96.7	96.9	97.2	97.2	97.3
≥ 1800	39.5	90.9	93.1	94.9	96.2	96.4	96.8	96.8	96.9	97.1	97.3	97.3	97.4
≥ 1500	39.8	91.9	94.2	96.1	97.3	97.5	97.9	97.9	98.0	98.2	98.5	98.5	98.6
≥ 1200	39.9	92.5	94.8	96.7	98.0	98.2	98.6	98.6	98.6	98.9	99.1	99.1	99.2
≥ 1000	40.0	93.1	95.4	97.3	98.6	98.7	99.2	99.2	99.3	99.5	99.8	99.8	99.8
≥ 900	40.0	93.1	95.4	97.3	98.6	98.7	99.2	99.2	99.3	99.5	99.8	99.8	99.8
≥ 800	40.0	93.1	95.4	97.3	98.6	98.8	99.3	99.3	99.4	99.6	99.8	99.8	99.9
≥ 700	40.0	93.1	95.4	97.3	98.6	98.8	99.3	99.3	99.4	99.6	99.8	99.8	99.9
≥ 600	40.0	93.1	95.4	97.3	98.6	98.8	99.3	99.3	99.4	99.6	99.8	99.8	99.9
≥ 500	40.0	93.2	95.5	97.3	98.6	98.9	99.4	99.4	99.4	99.7	99.9	99.9	100.0
≥ 400	40.0	93.2	95.5	97.3	98.6	98.9	99.4	99.4	99.4	99.7	99.9	99.9	100.0
≥ 300	40.0	93.2	95.5	97.3	98.6	98.9	99.4	99.4	99.4	99.7	99.9	99.9	100.0
≥ 200	40.0	93.2	95.5	97.3	98.6	98.9	99.4	99.4	99.4	99.7	99.9	99.9	100.0
≥ 100	40.0	93.2	95.5	97.3	98.6	98.9	99.4	99.4	99.4	99.7	99.9	99.9	100.0
≥ 0	40.0	93.2	95.5	97.3	98.6	98.9	99.4	99.4	99.4	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

72-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	50.7	72.7	74.0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	56.7	82.0	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 18000	56.7	82.0	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 16000	56.7	82.0	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 14000	56.7	82.0	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 12000	57.3	84.0	85.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 10000	58.7	86.0	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 9000	58.7	86.0	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 8000	58.7	87.3	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 7000	58.7	87.3	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 6000	58.7	87.3	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 5000	58.7	87.3	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	58.7	87.3	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000	58.7	87.3	88.7	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	58.7	88.0	89.3	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	59.3	89.3	90.7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	60.0	90.7	92.0	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	60.7	92.7	94.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	60.7	92.7	94.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	60.7	92.7	94.0	95.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	60.7	92.7	94.0	95.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	60.7	93.3	94.7	96.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	60.7	93.3	94.7	96.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	60.7	94.0	95.3	96.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	60.7	94.0	95.3	96.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	60.7	94.0	95.3	96.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	60.7	94.7	96.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	60.7	94.7	96.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	60.7	94.7	96.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	60.7	94.7	96.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	60.7	94.7	96.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	60.7	94.7	96.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

12923
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	46.0	65.7	67.3	70.7	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3
≥ 20000	50.0	73.3	74.7	78.0	78.7	78.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 18000	50.0	73.3	74.7	78.0	78.7	78.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 16000	50.0	73.3	74.7	78.0	78.7	78.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 14000	50.0	73.3	74.7	78.0	78.7	78.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 12000	50.0	73.3	74.7	78.0	78.7	78.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 10000	50.7	74.0	76.0	79.3	80.0	80.0	82.7	82.7	82.7	83.3	83.3	83.3	83.3
≥ 9000	50.7	74.0	76.0	79.3	80.0	80.0	82.7	82.7	82.7	83.3	83.3	83.3	83.3
≥ 8000	53.3	77.3	80.0	83.3	84.0	84.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 7000	53.3	77.3	80.0	83.3	84.0	84.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 6000	53.3	77.3	80.0	83.3	84.0	84.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 5000	53.3	77.3	80.0	83.3	84.0	84.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 4500	53.3	77.3	80.0	83.3	84.0	84.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 4000	53.3	78.0	80.7	84.0	84.7	84.7	87.3	87.3	87.3	88.0	88.0	88.0	88.0
≥ 3500	53.3	78.7	82.0	85.3	86.0	86.0	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 3000	53.3	79.3	82.7	86.0	86.7	86.7	89.3	89.3	89.3	90.0	90.0	90.0	90.0
≥ 2500	53.3	80.0	83.3	86.7	87.3	87.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7
≥ 2000	54.7	84.0	87.3	90.7	91.3	91.3	94.0	94.0	94.0	94.7	94.7	94.7	94.7
≥ 1800	54.7	84.7	88.0	91.3	92.0	92.0	94.7	94.7	94.7	95.3	95.3	95.3	95.3
≥ 1500	55.3	86.0	89.3	92.7	93.3	93.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 1200	55.3	86.0	89.3	92.7	93.3	93.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 1000	56.7	87.3	90.7	94.0	94.7	94.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 900	56.7	88.0	91.3	94.7	95.3	95.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 800	56.7	88.0	91.3	94.7	95.3	95.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 700	56.7	88.0	91.3	94.7	95.3	95.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 600	57.3	88.7	92.0	95.3	96.0	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 500	57.3	88.7	92.0	96.0	96.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 400	57.3	88.7	92.0	96.0	96.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 300	57.3	88.7	92.0	96.0	96.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200	57.3	88.7	92.0	96.0	96.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	57.3	88.7	92.0	96.0	96.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
0	57.3	88.7	92.0	96.0	96.7	96.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

SEP
MONTH

06
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	16.7	48.0	55.3	59.3	61.3	61.3	62.7	63.3	63.3	66.0	66.7
≥ 20000	17.3	52.7	60.0	65.3	67.3	67.3	68.7	69.3	69.3	72.0	72.7
≥ 18000	17.3	52.7	60.0	65.3	67.3	67.3	68.7	69.3	69.3	72.0	72.7
≥ 16000	17.3	52.7	60.0	65.3	67.3	67.3	68.7	69.3	69.3	72.0	72.7
≥ 14000	17.3	52.7	60.0	65.3	67.3	67.3	68.7	69.3	69.3	72.0	72.7
≥ 12000	18.7	55.3	62.7	68.0	70.0	70.7	72.7	73.3	73.3	76.0	76.7
≥ 10000	19.3	59.3	66.7	72.0	74.0	74.7	76.7	77.3	77.3	80.0	80.7
≥ 9000	19.3	59.3	66.7	72.0	74.0	74.7	76.7	77.3	77.3	80.0	80.7
≥ 8000	20.0	60.7	68.0	73.3	75.3	76.0	78.0	79.3	79.3	82.0	82.7
≥ 7000	20.7	62.0	69.3	74.7	76.7	77.3	79.3	80.7	80.7	83.3	84.0
≥ 6000	21.3	62.7	70.0	75.3	77.3	78.0	80.0	81.3	81.3	84.0	84.7
≥ 5000	21.3	62.7	70.7	76.0	78.0	78.7	80.7	82.0	82.0	84.7	85.3
≥ 4500	21.3	62.7	70.7	76.0	78.0	78.7	80.7	82.0	82.0	84.7	85.3
≥ 4000	21.3	62.7	70.7	76.0	78.0	78.7	80.7	82.0	82.0	84.7	85.3
≥ 3500	21.3	63.3	71.3	76.7	78.7	79.3	81.3	82.7	82.7	85.3	86.0
≥ 3000	21.3	63.3	71.3	76.7	78.7	79.3	81.3	82.7	82.7	85.3	86.0
≥ 2500	21.3	64.7	72.7	78.0	80.0	80.7	82.7	84.0	84.0	87.3	88.0
≥ 2000	22.0	65.3	73.3	78.7	80.7	81.3	83.3	84.7	84.7	88.0	88.7
≥ 1800	22.0	65.3	73.3	78.7	80.7	81.3	83.3	84.7	84.7	88.0	88.7
≥ 1500	22.0	66.7	74.7	80.0	82.0	82.7	84.7	86.0	86.0	89.3	90.0
≥ 1200	22.0	70.7	78.7	84.0	86.7	87.3	89.3	90.7	90.7	94.0	94.7
≥ 1000	22.0	72.0	80.0	85.3	88.0	88.7	90.7	92.0	92.0	95.3	96.0
900	22.0	72.0	80.0	85.3	88.0	88.7	90.7	92.0	92.0	95.3	96.0
800	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
700	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
600	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
500	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
400	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
300	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
200	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
100	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3
0	22.0	72.7	80.7	86.0	88.7	89.3	92.0	93.3	93.3	96.7	97.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

SEP
MONTH

09

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	13.3	42.7	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	16.0	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	16.0	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	16.0	59.3	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	16.0	60.7	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	16.7	63.3	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	16.7	66.7	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	17.3	67.3	68.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	17.3	68.0	69.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	17.3	68.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	17.3	68.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	17.3	68.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	17.3	68.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	17.3	68.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	17.3	68.0	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000	18.0	69.3	71.3	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2500	18.7	72.0	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2000	18.7	75.3	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	18.7	75.3	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500	20.0	82.7	85.3	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	20.7	84.7	87.3	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	20.7	87.3	90.0	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	20.7	88.0	91.3	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	20.7	88.0	92.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	20.7	88.0	92.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	20.7	88.7	92.7	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	20.7	88.7	92.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	20.7	88.7	92.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	20.7	88.7	92.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	20.7	88.7	92.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	20.7	88.7	92.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	20.7	88.7	92.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

120

2

1225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928 STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	18.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	20.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	20.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	20.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	21.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	22.0	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	22.0	67.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000	22.0	67.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000	22.0	67.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	22.0	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	22.0	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	22.0	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	22.0	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	22.0	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	23.3	69.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	26.7	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	30.7	85.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	30.7	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	31.3	91.3	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	31.3	94.0	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	31.3	95.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	31.3	96.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	28.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	28.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	28.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	28.0	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	28.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	28.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000	28.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	28.7	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	28.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	28.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	29.3	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	29.3	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	30.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	31.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	32.7	86.0	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	34.7	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	35.3	92.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	35.3	92.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	35.3	93.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	35.3	93.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	35.3	93.3	96.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	35.3	93.3	96.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	35.3	94.0	97.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

12929
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

SEP
MONTH18
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	29.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	32.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 18000	32.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 16000	32.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 14000	32.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000	32.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	34.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 9000	34.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
8000	35.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
7000	36.0	90.0	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
6000	36.0	90.0	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
5000	36.7	90.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
4500	36.7	90.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
4000	36.7	90.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
3500	38.0	92.7	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
3000	38.0	92.7	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2500	38.0	92.7	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2000	38.0	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1800	38.0	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1500	38.0	95.3	96.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	38.0	96.0	97.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	38.0	96.0	97.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	38.0	96.0	97.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	38.0	96.0	97.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	38.0	96.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)21
HOURS (L.S.T.)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 20000		58.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 18000		58.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 16000		58.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 14000		59.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 12000		60.0	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 10000		62.0	90.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 9000		62.0	90.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 8000		62.7	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 7000		62.7	92.0	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 6000		62.7	92.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 5000		62.7	92.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4500		62.7	92.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4000		63.3	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500		63.3	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3000		63.3	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500		64.0	94.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000		64.7	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800		64.7	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		65.3	96.0	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		66.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	31.1	58.8	60.5	61.6	62.0	62.0	62.3	62.4	62.4	62.8	62.9
≥ 2000	34.9	69.7	71.5	72.8	73.2	73.2	73.6	73.7	73.7	74.1	74.2
≥ 1800	34.9	69.7	71.5	72.8	73.2	73.2	73.6	73.7	73.7	74.1	74.2
≥ 1600	34.9	69.8	71.6	72.8	73.3	73.3	73.7	73.8	73.8	74.2	74.3
≥ 1400	35.2	70.5	72.3	73.6	74.0	74.0	74.4	74.5	74.5	74.9	75.0
≥ 1200	35.7	72.6	74.5	76.1	76.6	76.7	77.3	77.3	77.3	77.8	77.9
≥ 1000	36.4	76.0	78.0	79.6	80.1	80.2	80.8	80.8	80.8	81.3	81.4
≥ 900	36.5	76.1	78.1	79.7	80.2	80.3	80.8	80.9	80.9	81.4	81.5
≥ 800	37.3	77.5	79.7	81.3	81.8	81.8	82.4	82.6	82.6	83.0	83.1
≥ 700	37.4	77.9	80.2	81.8	82.4	82.5	83.1	83.3	83.3	83.7	83.8
≥ 600	37.5	78.1	80.3	81.9	82.6	82.7	83.3	83.4	83.4	83.8	83.9
≥ 500	37.7	78.3	80.6	82.2	82.8	82.9	83.5	83.7	83.7	84.1	84.2
≥ 400	37.7	78.3	80.6	82.2	82.8	82.9	83.5	83.7	83.7	84.1	84.2
≥ 300	37.8	78.8	81.1	82.7	83.4	83.5	84.1	84.3	84.3	84.7	84.8
≥ 200	38.3	79.6	82.0	83.6	84.3	84.4	85.0	85.2	85.2	85.6	85.7
≥ 100	39.3	81.3	83.8	85.4	86.3	86.3	86.9	87.1	87.1	87.5	87.6
0	40.1	83.7	86.1	87.8	88.6	88.7	89.3	89.4	89.4	89.9	90.0
≥ 2500	40.6	86.2	88.7	90.3	91.2	91.3	91.8	92.0	92.0	92.5	92.6
≥ 1800	40.7	86.4	88.9	90.8	91.6	91.7	92.3	92.4	92.4	92.9	93.0
≥ 1500	41.0	88.3	91.1	93.1	94.3	94.3	94.9	95.2	95.2	95.7	95.8
≥ 1200	41.2	89.5	92.3	94.3	95.7	95.8	96.3	96.6	96.6	97.1	97.2
≥ 1000	41.3	90.3	93.2	95.4	96.8	96.9	97.5	97.8	97.8	98.3	98.3
≥ 900	41.3	90.5	93.4	95.7	97.1	97.2	97.8	98.0	98.0	98.5	98.6
≥ 800	41.3	90.8	93.8	96.1	97.6	97.7	98.3	98.6	98.6	99.1	99.2
≥ 700	41.3	90.8	93.8	96.2	97.7	97.8	98.5	98.8	98.8	99.3	99.3
≥ 600	41.4	91.0	94.0	96.3	97.8	97.9	98.7	98.9	98.9	99.4	99.5
≥ 500	41.4	91.1	94.1	96.6	98.1	98.2	98.9	99.2	99.2	99.7	99.8
≥ 400	41.4	91.1	94.1	96.6	98.1	98.2	98.9	99.2	99.2	99.7	99.8
≥ 300	41.4	91.1	94.1	96.6	98.1	98.2	98.9	99.2	99.2	99.8	99.9
≥ 200	41.4	91.1	94.1	96.6	98.1	98.2	98.9	99.2	99.2	99.8	99.9
≥ 100	41.4	91.1	94.1	96.6	98.1	98.2	98.9	99.2	99.2	99.8	99.9
0	41.4	91.1	94.1	96.6	98.1	98.2	98.9	99.2	99.2	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

STATION 12928 KINGSVILLE, TEXAS 73-77 YEARS OCT MONTH 00 HOURS (L.S.T.) 00

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	55.5	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	56.8	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	56.8	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	56.8	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	56.8	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	56.8	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	57.4	74.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	57.4	74.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000	58.7	79.4	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	58.7	79.4	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	58.7	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	60.7	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	61.3	84.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	61.3	84.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	63.2	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	63.9	88.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	64.5	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	64.5	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	65.2	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	65.2	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	65.8	91.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0	65.8	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 155

2

1225 05101

5221

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12923
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

OCT
MONTH

03

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	41.9	60.7	62.6	65.2	65.8	66.5	66.5	66.5	66.5	67.1	67.7
≥ 20000	44.5	63.2	65.2	67.7	68.4	69.0	69.0	69.0	69.0	69.7	70.3
≥ 18000	44.5	63.2	65.2	67.7	68.4	69.0	69.0	69.0	69.0	69.7	70.3
≥ 16000	44.5	63.2	65.2	67.7	68.4	69.0	69.0	69.0	69.0	69.7	70.3
≥ 14000	44.5	63.2	65.2	67.7	68.4	69.0	69.0	69.0	69.0	69.7	70.3
≥ 12000	44.5	63.2	65.2	67.7	68.4	69.0	69.0	69.0	69.0	69.7	70.3
≥ 10000	46.5	65.8	67.7	70.3	71.0	71.6	71.6	71.6	71.6	72.3	72.9
≥ 9000	46.5	66.5	68.4	71.0	71.6	72.3	72.3	72.3	72.3	72.9	73.6
≥ 8000	47.7	69.0	71.0	73.6	74.2	74.8	74.8	74.8	74.8	75.5	76.1
≥ 7000	47.7	69.7	71.6	74.2	74.8	75.5	75.5	75.5	75.5	76.1	76.8
≥ 6000	47.7	69.7	71.6	74.2	74.8	75.5	75.5	75.5	75.5	76.1	76.8
≥ 5000	47.7	71.6	73.6	76.1	76.8	77.4	77.4	77.4	77.4	78.1	78.7
≥ 4500	48.4	72.3	74.2	76.8	77.4	78.1	78.1	78.1	78.1	78.7	79.4
≥ 4000	49.0	74.2	76.1	78.7	79.4	80.0	80.0	80.0	80.0	80.7	81.3
≥ 3500	49.7	74.8	76.8	79.4	80.0	80.7	80.7	80.7	80.7	81.3	81.9
≥ 3000	50.3	77.4	79.4	81.9	82.6	83.2	83.2	83.2	83.2	83.9	84.5
≥ 2500	50.3	77.4	79.4	81.9	82.6	83.2	83.2	83.2	83.2	83.9	84.5
≥ 2000	50.3	78.1	80.0	82.6	83.2	83.9	83.9	83.9	83.9	84.5	85.2
≥ 1800	51.0	78.7	80.7	83.2	83.9	84.5	84.5	84.5	84.5	85.2	85.8
≥ 1500	54.2	82.6	84.5	87.1	87.7	89.0	89.0	89.0	89.0	89.7	90.3
≥ 1200	54.8	84.5	86.5	89.0	89.7	91.0	91.0	91.0	91.0	91.6	92.3
≥ 1000	54.8	85.2	87.1	89.7	90.3	91.6	91.6	91.6	91.6	92.3	92.9
≥ 900	54.8	86.5	89.0	91.6	92.3	93.6	93.6	93.6	93.6	94.2	94.8
≥ 800	54.8	86.5	89.0	91.6	92.3	93.6	93.6	93.6	93.6	94.2	94.8
≥ 700	54.8	87.1	89.7	92.3	92.9	94.2	94.2	94.2	94.2	94.8	95.5
≥ 600	54.8	87.7	90.3	92.9	93.6	94.8	94.8	94.8	94.8	95.5	96.1
≥ 500	54.8	87.7	90.3	92.9	93.6	94.8	94.8	94.8	94.8	95.5	96.1
≥ 400	54.8	87.7	91.0	94.2	94.8	96.1	96.1	96.1	96.1	96.8	97.4
≥ 300	54.8	87.7	91.0	94.2	94.8	96.1	96.1	96.1	96.1	96.8	97.4
≥ 200	54.8	87.7	91.0	94.2	94.8	96.1	96.1	96.1	96.1	96.8	97.4
≥ 100	54.8	87.7	91.0	94.2	94.8	96.1	96.1	96.1	96.1	96.8	97.4
≥ 0	54.8	87.7	91.0	94.2	94.8	96.1	96.1	96.1	96.1	96.8	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12920
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.4	49.0	54.8	58.7	60.7	60.7	63.2	63.2	63.2	64.5	64.5	64.5	65.8
≥ 20000	29.7	51.6	57.4	61.3	63.2	63.2	65.8	65.8	65.8	67.1	67.1	67.1	68.4
≥ 18000	29.7	51.6	57.4	61.3	63.2	63.2	65.8	65.8	65.8	67.1	67.1	67.1	68.4
≥ 16000	29.7	51.6	57.4	61.3	63.2	63.2	65.8	65.8	65.8	67.1	67.1	67.1	68.4
≥ 14000	29.7	51.6	57.4	61.3	63.2	63.2	65.8	65.8	65.8	67.1	67.1	67.1	68.4
≥ 12000	29.7	51.6	58.1	61.9	63.9	63.9	66.5	66.5	66.5	67.7	67.7	67.7	69.0
≥ 10000	29.7	52.3	58.7	62.6	64.5	64.5	67.1	67.1	67.1	68.4	68.4	69.0	70.3
≥ 9000	29.7	52.9	59.4	63.2	65.2	65.2	67.7	67.7	67.7	69.0	69.0	69.7	71.0
≥ 8000	29.7	53.6	60.7	64.5	66.5	66.5	69.0	69.0	69.0	71.0	71.0	71.6	72.9
≥ 7000	30.3	54.2	61.3	65.2	67.1	67.1	69.7	69.7	69.7	71.6	71.6	72.3	73.6
≥ 6000	30.3	54.2	61.3	65.2	67.1	67.1	69.7	69.7	69.7	71.6	71.6	72.3	73.6
≥ 5000	30.3	54.8	61.9	65.8	68.4	68.4	71.0	71.0	71.0	72.9	72.9	73.6	74.8
≥ 4500	30.3	54.8	61.9	65.8	68.4	68.4	71.0	71.0	71.0	72.9	72.9	73.6	74.8
≥ 4000	30.3	55.5	62.6	66.5	69.0	69.0	71.6	71.6	71.6	73.6	73.6	74.2	75.5
≥ 3500	32.3	58.1	66.5	70.3	72.9	72.9	75.5	75.5	76.1	77.4	77.4	78.1	79.4
≥ 3000	32.9	60.7	69.0	72.9	75.5	75.5	78.1	78.1	78.7	79.4	80.0	80.7	81.9
≥ 2500	32.9	61.9	70.3	74.8	77.4	77.4	80.0	80.0	80.7	81.9	81.9	82.6	83.9
≥ 2000	34.2	64.5	72.9	77.4	80.0	80.0	82.6	82.6	83.2	84.5	84.5	85.2	86.5
≥ 1800	34.2	64.5	72.9	77.4	80.0	80.0	82.6	82.6	83.2	84.5	84.5	85.2	86.5
≥ 1500	34.2	65.2	74.2	78.7	81.3	81.3	83.9	83.9	84.5	85.8	85.8	86.5	87.7
≥ 1200	34.2	66.5	76.1	80.7	83.2	83.2	85.8	85.8	86.5	87.7	87.7	88.4	89.7
≥ 1000	34.2	66.5	76.6	81.3	83.9	83.9	86.5	86.5	87.1	88.4	88.4	89.0	90.3
≥ 900	34.8	67.1	77.4	81.9	84.5	84.5	87.1	87.1	87.7	89.0	89.0	89.7	91.0
≥ 800	34.8	67.1	77.4	81.9	84.5	84.5	87.1	87.1	87.7	89.0	89.0	89.7	91.0
≥ 700	34.8	67.7	78.1	82.6	85.2	85.2	87.7	87.7	88.4	89.7	89.7	90.3	91.6
≥ 600	34.8	69.0	79.4	83.9	86.5	86.5	89.0	89.0	89.7	91.0	91.0	92.3	93.6
≥ 500	34.8	69.7	80.0	84.5	87.7	87.7	90.3	90.3	91.0	92.3	92.3	94.2	95.5
≥ 400	34.8	69.7	80.0	84.5	87.7	87.7	90.3	90.3	91.0	92.3	92.3	94.2	95.5
≥ 300	34.8	70.3	81.3	85.8	89.0	89.0	91.6	91.6	92.3	93.6	93.6	94.8	96.1
≥ 200	34.8	70.3	81.3	85.8	89.0	89.0	91.6	91.6	92.3	93.6	93.6	94.8	96.1
≥ 100	34.8	70.3	81.3	85.8	89.0	89.0	91.6	91.6	92.3	93.6	93.6	94.8	96.1
0	34.8	70.3	81.3	85.8	89.0	89.0	91.6	91.6	92.3	93.6	93.6	94.8	96.1

TOTAL NUMBER OF OBSERVATIONS

155

12928

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.0	52.3	58.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	21.3	56.1	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	21.3	56.1	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	21.3	56.1	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	21.3	56.1	62.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	21.3	56.8	63.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	21.3	56.8	64.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	21.3	58.1	65.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	21.9	61.9	69.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	21.9	61.9	69.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	21.9	61.9	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	21.9	61.9	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	21.9	61.9	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	21.9	63.2	71.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	23.2	65.2	73.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	23.2	67.1	76.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	23.2	69.7	78.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	23.9	70.3	79.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	23.9	70.3	80.0	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	23.9	72.9	82.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	24.5	74.8	84.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	24.5	75.5	85.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	24.5	76.1	85.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	24.5	77.4	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	24.5	78.7	88.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	24.5	78.7	89.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	24.5	78.7	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	24.5	78.7	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	24.5	78.7	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	24.5	78.7	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	24.5	78.7	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0	24.5	78.7	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	20.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	22.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	22.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	22.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	22.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	22.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	23.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 9000	24.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	25.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	25.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	25.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000	25.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4500	25.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 4000	25.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3500	28.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3000	31.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	32.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	33.6	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	33.6	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	33.6	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	34.2	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	34.2	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	34.2	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	34.2	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	34.2	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	34.2	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	34.2	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	34.2	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	34.2	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	34.2	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	34.2	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	34.2	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00T
MOUTH

15

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	25.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	31.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	31.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	31.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	31.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	31.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	32.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	32.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	32.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	32.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	32.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	32.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	32.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	33.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	36.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	37.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	38.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	38.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	38.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	38.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	38.1	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	38.1	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	38.1	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	38.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	38.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	38.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	38.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	38.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	38.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	38.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	38.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	38.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS

STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	34.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	37.4	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000	37.4	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	37.4	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	37.4	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	37.4	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	38.1	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 9000	38.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	38.7	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	38.7	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	38.7	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000	38.7	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	38.7	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	38.7	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	38.7	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	39.4	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	39.4	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	39.4	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	39.4	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	40.0	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	40.0	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	40.0	94.8	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	40.0	94.8	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	40.0	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	55.5	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	58.7	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	58.7	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	58.7	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	58.7	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	58.7	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	60.0	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	60.7	79.4	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	64.5	85.2	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	65.2	85.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	65.2	85.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	65.8	86.5	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500	65.8	86.5	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	65.8	87.1	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	67.7	89.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	69.0	90.3	91.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	69.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	69.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	69.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	69.7	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	69.7	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	69.7	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME73-77
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	35.2	58.3	60.4	61.5	61.9	62.0	62.3	62.3	62.3	62.5	62.7	62.7	62.7
≥ 20000	37.7	63.0	65.1	66.3	66.7	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4
≥ 18000	37.7	63.0	65.1	66.3	66.7	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4
≥ 16000	37.7	63.0	65.1	66.3	66.7	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4
≥ 14000	37.7	63.1	65.2	66.3	66.9	66.9	67.3	67.3	67.3	67.5	67.7	67.7	67.7
≥ 12000	37.7	63.6	66.0	67.2	67.6	67.7	68.1	68.1	68.1	68.2	68.4	68.4	68.4
≥ 10000	38.6	65.7	68.2	69.4	69.8	69.9	70.3	70.3	70.3	70.5	70.7	70.7	70.7
≥ 9000	38.9	66.3	68.9	70.2	70.6	70.7	71.1	71.1	71.1	71.2	71.4	71.5	71.5
≥ 8000	39.9	69.5	72.2	73.4	74.0	74.0	74.4	74.4	74.5	74.7	74.8	74.9	74.9
≥ 7000	40.1	69.8	72.4	73.8	74.2	74.3	74.7	74.7	74.8	74.9	75.1	75.2	75.2
≥ 6000	40.1	69.9	72.7	74.0	74.4	74.5	74.9	74.9	75.0	75.2	75.3	75.4	75.4
≥ 5000	40.4	71.1	73.8	75.2	75.7	75.7	76.1	76.1	76.2	76.4	76.5	76.6	76.6
≥ 4500	40.5	71.3	74.0	75.4	75.9	76.0	76.4	76.4	76.5	76.6	76.8	76.9	76.9
≥ 4000	40.7	72.7	75.4	76.9	77.3	77.4	77.8	77.8	77.9	78.1	78.2	78.3	78.3
≥ 3500	42.2	75.5	78.4	79.8	80.3	80.4	80.8	80.8	80.9	81.1	81.2	81.3	81.3
≥ 3000	43.4	79.1	82.2	83.6	84.1	84.2	84.6	84.6	84.7	84.8	85.0	85.1	85.1
≥ 2500	43.8	81.9	84.9	86.3	86.9	87.0	87.4	87.4	87.5	87.7	87.8	87.9	87.9
≥ 2000	44.2	83.5	86.6	88.2	88.7	88.7	89.1	89.1	89.2	89.4	89.5	89.6	89.6
≥ 1800	44.3	83.7	86.9	88.5	89.0	89.0	89.4	89.4	89.5	89.7	89.8	89.9	89.9
≥ 1500	44.8	85.5	88.8	90.4	90.9	91.1	91.5	91.5	91.5	91.8	91.9	92.0	92.0
≥ 1200	45.2	86.6	90.1	91.8	92.4	92.6	93.0	93.0	93.1	93.3	93.5	93.6	93.6
≥ 1000	45.2	87.1	90.7	92.3	93.1	93.3	93.7	93.8	93.8	94.1	94.3	94.4	94.4
≥ 900	45.2	87.8	91.5	93.2	93.9	94.1	94.5	94.7	94.8	95.0	95.2	95.2	95.2
≥ 800	45.2	88.2	92.0	93.7	94.4	94.8	95.2	95.3	95.4	95.7	95.8	95.9	95.9
≥ 700	45.2	88.6	92.4	94.4	95.1	95.4	95.9	96.1	96.1	96.4	96.5	96.6	96.6
≥ 600	45.2	89.0	92.9	94.9	95.7	96.1	96.5	96.9	96.9	97.2	97.3	97.6	97.6
≥ 500	45.2	89.1	93.2	95.2	96.1	96.5	97.0	97.4	97.5	97.8	98.1	98.3	98.3
≥ 400	45.2	89.2	93.3	95.4	96.4	96.7	97.3	97.7	97.8	98.2	98.4	98.7	98.7
≥ 300	45.2	89.3	93.5	95.6	96.5	96.9	97.4	98.0	98.2	98.5	98.8	99.0	99.0
≥ 200	45.2	89.3	93.5	95.6	96.5	96.9	97.4	98.0	98.2	98.5	98.8	99.0	99.0
≥ 100	45.2	89.3	93.5	95.6	96.5	96.9	97.4	98.0	98.2	98.5	98.8	99.0	99.0
≥ 0	45.2	89.3	93.5	95.6	96.5	96.9	97.4	98.0	98.2	98.5	98.8	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	43.3	60.0	61.3	62.0	62.0	62.0	63.3	63.3	63.3	63.3	63.3	64.0	64.7	64.7
≥ 20000	44.7	61.3	63.3	64.0	64.0	64.0	65.3	65.3	65.3	65.3	65.3	66.0	66.7	66.7
≥ 18000	44.7	61.3	63.3	64.0	64.0	64.0	65.3	65.3	65.3	65.3	65.3	66.0	66.7	66.7
≥ 16000	44.7	61.3	63.3	64.0	64.0	64.0	65.3	65.3	65.3	65.3	65.3	66.0	66.7	66.7
≥ 14000	44.7	61.3	63.3	64.0	64.0	64.0	65.3	65.3	65.3	65.3	65.3	66.0	66.7	66.7
≥ 12000	44.7	61.3	63.3	64.0	64.0	64.0	65.3	65.3	65.3	65.3	65.3	66.0	66.7	66.7
≥ 10000	44.7	62.0	64.0	64.7	64.7	64.7	66.0	66.0	66.0	66.0	66.0	66.7	67.3	67.3
≥ 9000	45.3	62.7	64.7	65.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	67.3	68.0	68.0
≥ 8000	46.7	65.3	67.3	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3	70.0	70.7	71.3
≥ 7000	48.0	66.7	68.7	69.3	69.3	69.3	70.7	70.7	70.7	70.7	70.7	71.3	72.0	72.7
≥ 6000	48.0	67.3	69.3	70.0	70.0	70.0	71.3	71.3	71.3	71.3	71.3	72.0	72.7	73.3
≥ 5000	50.7	70.7	72.7	73.3	73.3	73.3	74.7	74.7	74.7	74.7	74.7	75.3	76.0	76.7
≥ 4500	50.7	70.7	72.7	73.3	73.3	73.3	74.7	74.7	74.7	74.7	74.7	75.3	76.0	76.7
≥ 4000	51.3	71.3	73.3	74.0	74.0	74.0	75.3	75.3	75.3	75.3	75.3	76.0	76.7	77.3
≥ 3500	52.7	72.7	74.7	75.3	75.3	75.3	76.7	76.7	76.7	76.7	76.7	77.3	78.0	78.7
≥ 3000	53.3	73.3	75.3	76.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3	78.0	78.7	79.3
≥ 2500	54.7	74.7	76.7	77.3	77.3	77.3	78.7	78.7	78.7	78.7	78.7	79.3	80.0	80.7
≥ 2000	54.7	76.7	78.7	79.3	79.3	79.3	80.7	80.7	80.7	80.7	80.7	81.3	82.0	82.7
≥ 1800	55.3	77.3	79.3	80.0	80.0	80.0	81.3	81.3	81.3	81.3	81.3	82.0	82.7	83.3
≥ 1500	57.3	80.7	82.7	83.3	83.3	83.3	84.7	84.7	84.7	84.7	84.7	85.3	86.0	86.7
≥ 1200	58.0	82.0	84.7	85.3	85.3	85.3	86.7	86.7	86.7	86.7	86.7	87.3	88.0	88.7
≥ 1000	58.0	84.7	88.0	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	90.0	90.7	91.3
≥ 900	58.0	84.7	88.0	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	90.0	90.7	91.3
≥ 800	58.0	87.3	91.3	92.0	92.0	92.0	93.3	93.3	93.3	93.3	93.3	94.0	94.7	95.3
≥ 700	58.0	87.3	91.3	92.0	92.0	92.0	93.3	93.3	93.3	93.3	93.3	94.0	94.7	95.3
≥ 600	58.0	87.3	91.3	92.0	92.0	92.0	93.3	93.3	93.3	93.3	93.3	94.0	94.7	95.3
≥ 500	58.0	88.0	92.0	92.7	92.7	92.7	94.0	94.0	94.0	94.0	94.0	95.3	96.0	96.7
≥ 400	58.0	88.0	92.0	92.7	92.7	92.7	94.0	94.0	94.0	94.0	94.0	95.3	96.0	96.7
≥ 300	58.0	88.0	92.7	94.0	94.0	94.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	98.0
≥ 200	58.0	88.0	92.7	94.0	94.0	94.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	98.0
≥ 100	58.0	88.0	92.7	94.0	94.0	94.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	98.0
0	58.0	88.0	92.7	94.0	94.0	94.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

12929
STATIONKINGSVILLE, TEXAS
STATION NAME73-77
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)0.3
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.0	48.0	48.7	48.7	50.0	50.0	52.0	52.0	52.0	52.7	52.7	52.7	53.3
≥ 20000	34.7	48.7	49.3	49.3	50.7	50.7	52.7	53.3	53.3	54.0	54.0	54.0	54.7
≥ 18000	34.7	48.7	49.3	49.3	50.7	50.7	52.7	53.3	53.3	54.0	54.0	54.0	54.7
≥ 16000	34.7	48.7	49.3	49.3	50.7	50.7	52.7	53.3	53.3	54.0	54.0	54.0	54.7
≥ 14000	34.7	48.7	49.3	49.3	50.7	50.7	52.7	53.3	53.3	54.0	54.0	54.0	54.7
≥ 12000	34.7	49.3	50.0	50.0	51.3	51.3	53.3	54.0	54.0	54.7	54.7	54.7	55.3
≥ 10000	35.3	50.0	50.7	50.7	52.0	52.0	54.0	54.7	54.7	55.3	55.3	55.3	56.0
≥ 9000	35.3	50.7	51.3	51.3	52.7	52.7	54.7	55.3	55.3	56.0	56.0	56.0	56.7
≥ 8000	36.0	54.7	55.3	55.3	56.7	56.7	58.7	59.3	59.3	60.0	60.0	60.0	60.7
≥ 7000	38.7	55.3	56.0	56.0	57.3	57.3	59.3	60.0	60.0	60.7	60.7	60.7	61.3
≥ 6000	38.7	56.0	56.7	56.7	58.0	58.0	60.0	60.7	60.7	61.3	61.3	61.3	62.0
≥ 5000	41.3	59.3	60.0	60.0	61.3	61.3	63.3	64.0	64.0	64.7	64.7	64.7	65.3
≥ 4500	41.3	59.3	60.0	60.0	61.3	61.3	63.3	64.0	64.0	64.7	64.7	64.7	65.3
≥ 4000	41.3	59.3	60.0	60.0	61.3	61.3	63.3	64.0	64.0	64.7	64.7	64.7	65.3
≥ 3500	42.7	60.7	61.3	61.3	62.7	62.7	64.7	65.3	65.3	66.0	66.0	66.0	66.7
≥ 3000	43.3	62.0	62.7	62.7	64.0	64.0	66.0	66.7	66.7	67.3	67.3	67.3	68.0
≥ 2500	45.3	64.0	64.7	64.7	66.0	66.0	68.0	68.7	68.7	69.3	69.3	69.3	70.0
≥ 2000	46.7	66.0	66.7	66.7	68.0	68.0	70.0	70.7	70.7	71.3	71.3	71.3	72.0
≥ 1800	46.7	66.0	66.7	66.7	68.0	68.0	70.0	70.7	70.7	71.3	71.3	71.3	72.0
≥ 1500	48.0	70.7	72.0	72.0	73.3	73.3	75.3	76.0	76.0	76.7	76.7	76.7	77.3
≥ 1200	46.7	72.7	74.0	74.0	75.3	75.3	77.3	78.0	78.0	78.7	78.7	78.7	79.3
≥ 1000	48.7	75.3	76.7	76.7	78.0	78.0	80.0	80.7	80.7	81.3	81.3	81.3	82.0
≥ 900	49.3	76.0	77.3	77.3	78.7	78.7	80.7	81.3	81.3	82.0	82.0	82.0	82.7
≥ 800	49.3	77.3	79.3	79.3	80.7	80.7	82.7	83.3	83.3	84.0	84.0	84.0	84.7
≥ 700	49.3	77.3	79.3	79.3	80.7	80.7	82.7	83.3	83.3	84.0	84.0	84.0	84.7
≥ 600	49.3	78.7	80.7	80.7	82.0	82.0	84.0	84.7	84.7	85.3	85.3	85.3	86.0
≥ 500	49.3	79.3	81.3	81.3	82.7	82.7	84.0	84.7	84.7	85.3	85.3	85.3	86.0
≥ 400	49.3	79.3	81.3	82.0	83.3	83.3	84.7	85.3	85.3	86.0	86.0	86.0	86.7
≥ 300	49.3	80.0	82.7	83.3	84.7	84.7	86.0	86.7	86.7	87.3	87.3	87.3	88.0
≥ 200	49.3	80.0	82.7	83.3	84.7	84.7	86.0	86.7	86.7	87.3	87.3	87.3	88.0
≥ 100	49.3	80.0	82.7	83.3	84.7	84.7	86.0	86.7	86.7	87.3	87.3	87.3	88.0
0	49.3	80.0	82.7	83.3	84.7	84.7	86.0	86.7	86.7	87.3	87.3	87.3	88.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	29.3	42.0	44.7	46.0	46.0	47.3	48.0	48.7	48.7	49.3	49.3	49.3	50.0	52.0
≥ 20000	30.0	42.7	45.3	46.7	46.7	48.0	48.7	49.3	49.3	50.0	50.7	50.7	51.3	53.3
≥ 18000	30.0	42.7	45.3	46.7	46.7	48.0	48.7	49.3	49.3	50.0	50.7	50.7	51.3	53.3
≥ 16000	30.0	42.7	45.3	46.7	46.7	48.0	48.7	49.3	49.3	50.0	50.7	50.7	51.3	53.3
≥ 14000	30.0	42.7	45.3	46.7	46.7	48.0	48.7	49.3	49.3	50.0	50.7	50.7	51.3	53.3
≥ 12000	30.0	43.3	46.0	47.3	47.3	48.7	49.3	50.0	50.0	50.7	51.3	51.3	52.0	54.0
≥ 10000	30.7	44.7	47.3	48.7	48.7	50.0	50.7	51.3	51.3	52.0	52.7	53.3	54.0	56.0
≥ 9000	30.7	45.3	48.0	49.3	49.3	50.7	51.3	52.0	52.0	52.7	53.3	54.0	54.7	56.0
≥ 8000	32.0	46.7	49.3	50.7	50.7	52.0	52.7	53.3	53.3	54.0	54.7	55.3	56.0	57.3
≥ 7000	33.3	48.0	51.3	52.7	52.7	54.0	54.7	55.3	55.3	56.0	56.7	57.3	58.0	59.3
≥ 6000	34.0	49.3	52.0	53.3	53.3	54.7	55.3	56.0	56.0	56.7	57.3	58.0	58.7	60.0
≥ 5000	36.0	52.7	56.0	57.3	57.3	58.7	59.3	60.0	60.0	60.7	61.3	62.0	62.7	64.0
≥ 4500	36.7	53.3	56.7	58.0	58.0	59.3	60.0	60.7	60.7	61.3	62.0	62.7	63.3	64.7
≥ 4000	37.3	54.7	58.0	59.3	59.3	60.7	61.3	62.0	62.0	62.7	63.3	64.0	64.7	66.0
≥ 3500	38.0	55.3	58.7	60.0	60.0	61.3	62.0	62.7	62.7	63.3	64.0	64.7	65.3	66.7
≥ 3000	38.7	56.7	60.0	61.3	61.3	62.7	63.3	64.0	64.0	64.7	65.3	66.0	66.7	68.0
≥ 2500	41.3	60.7	64.0	65.3	65.3	66.7	67.3	68.0	68.0	68.7	69.3	70.0	70.7	72.0
≥ 2000	42.7	62.0	65.3	67.3	67.3	68.7	69.3	70.0	70.0	70.7	71.3	72.0	72.7	74.0
≥ 1800	43.3	63.3	66.7	68.7	68.7	70.0	70.7	71.3	71.3	72.0	72.7	73.3	74.0	75.3
≥ 1500	43.3	64.7	68.0	70.7	70.7	72.0	72.7	73.3	73.3	74.0	74.7	75.3	76.0	77.3
≥ 1200	44.0	67.3	70.7	73.3	73.3	74.7	75.3	76.0	76.0	76.7	77.3	78.0	78.7	80.0
≥ 1000	44.0	70.0	73.3	77.3	77.3	78.7	79.3	80.0	80.0	80.7	82.0	82.7	83.3	84.7
≥ 900	44.0	70.0	73.3	77.3	77.3	78.7	79.3	80.0	80.0	80.7	82.0	82.7	83.3	84.7
≥ 800	44.7	72.7	76.0	80.0	80.0	81.3	82.0	82.7	82.7	83.3	84.7	85.3	86.0	87.3
≥ 700	45.3	73.3	76.7	80.7	80.7	82.0	82.7	83.3	83.3	84.0	85.3	86.0	86.7	88.0
≥ 600	45.3	73.3	76.7	80.7	80.7	82.0	82.7	83.3	84.0	85.3	86.7	87.3	88.0	89.3
≥ 500	45.3	73.3	76.7	80.7	80.7	82.0	82.7	83.3	84.0	85.3	86.7	87.3	88.0	89.3
≥ 400	45.3	73.3	78.0	82.0	82.0	83.3	84.0	84.7	85.3	87.3	88.7	89.3	90.0	91.3
≥ 300	45.3	73.3	78.0	82.0	82.0	83.3	84.0	84.7	85.3	87.3	88.7	89.3	90.7	92.0
≥ 200	45.3	73.3	78.0	82.7	82.7	84.0	84.7	86.0	86.7	88.7	90.0	91.3	92.0	93.3
≥ 100	45.3	74.0	78.7	83.3	83.3	84.7	85.3	86.7	87.3	89.3	90.7	92.0	92.7	94.0
0	45.3	74.0	78.7	83.3	83.3	84.7	85.3	86.7	87.3	89.3	90.7	92.0	92.7	94.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.7	37.3	39.3	40.7	42.0	42.0	42.0	42.7	42.7	43.3	43.3	43.3	43.3	43.3
≥ 20000	18.7	44.0	46.7	48.0	50.0	50.0	50.0	50.7	50.7	51.3	51.3	51.3	51.3	52.0
≥ 18000	18.7	44.0	46.7	48.0	50.0	50.0	50.0	50.7	50.7	51.3	51.3	51.3	51.3	52.0
≥ 16000	18.7	44.0	46.7	48.0	50.0	50.0	50.0	50.7	50.7	51.3	51.3	51.3	51.3	52.0
≥ 14000	18.7	44.0	46.7	48.0	50.0	50.0	50.0	50.7	50.7	51.3	51.3	51.3	51.3	52.0
≥ 12000	18.7	44.0	46.7	48.0	50.0	50.0	50.0	50.7	50.7	51.3	51.3	51.3	51.3	52.0
≥ 10000	18.7	44.7	47.3	48.7	50.7	50.7	50.7	51.3	51.3	52.0	52.0	52.0	52.0	52.7
≥ 9000	18.7	44.7	47.3	48.7	50.7	50.7	50.7	51.3	51.3	52.0	52.0	52.0	52.0	52.7
≥ 8000	18.7	44.0	50.7	52.0	54.0	54.0	54.0	55.3	55.3	56.0	56.0	56.0	56.0	56.7
≥ 7000	19.3	49.3	52.0	54.0	56.0	56.0	56.0	57.3	57.3	58.0	58.0	58.0	58.0	58.7
≥ 6000	19.3	50.7	53.3	55.3	57.3	57.3	57.3	58.7	58.7	59.3	59.3	59.3	59.3	60.0
≥ 5000	20.0	54.7	57.3	59.3	61.3	61.3	61.3	62.7	62.7	63.3	63.3	63.3	63.3	64.0
≥ 4500	20.0	56.0	58.7	60.7	62.7	62.7	62.7	64.0	64.0	64.7	64.7	64.7	64.7	65.3
≥ 4000	20.7	56.7	59.3	62.0	64.0	64.0	64.0	65.3	65.3	66.0	66.0	66.0	66.0	66.7
≥ 3500	20.7	57.3	60.0	62.7	64.7	64.7	64.7	66.0	66.0	66.7	66.7	66.7	66.7	67.3
≥ 3000	20.7	58.0	60.7	63.3	65.3	65.3	65.3	66.7	66.7	67.3	67.3	67.3	67.3	68.0
≥ 2500	21.3	61.3	64.0	66.7	68.7	68.7	68.7	70.0	70.0	70.7	70.7	70.7	70.7	71.3
≥ 2000	21.3	62.7	66.0	68.7	70.7	70.7	70.7	72.0	72.0	72.7	72.7	72.7	72.7	73.3
≥ 1800	21.3	63.3	66.7	69.3	71.3	71.3	71.3	72.7	72.7	73.3	73.3	73.3	73.3	74.0
≥ 1500	22.0	67.3	71.3	74.0	76.0	76.0	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.7
≥ 1200	23.3	70.0	74.0	76.7	78.7	78.7	78.7	80.7	80.7	81.3	81.3	81.3	81.3	82.0
≥ 1000	23.3	71.3	75.3	78.7	80.7	80.7	80.7	83.3	83.3	84.0	84.0	84.0	84.0	84.7
≥ 900	23.3	71.3	75.3	78.7	80.7	80.7	80.7	83.3	83.3	84.0	84.0	84.0	84.0	84.7
≥ 800	23.3	73.3	77.3	80.7	83.3	83.3	83.3	86.7	86.7	87.3	87.3	87.3	87.3	88.0
≥ 700	23.3	74.7	78.7	82.0	85.3	85.3	85.3	88.7	88.7	89.3	89.3	89.3	89.3	90.0
≥ 600	23.3	74.7	78.7	84.0	88.0	88.0	88.0	92.0	92.0	92.7	92.7	92.7	92.7	93.3
≥ 500	23.3	74.7	78.7	84.0	88.0	88.0	88.0	92.7	92.7	93.3	93.3	93.3	93.3	94.0
≥ 400	23.3	74.7	78.7	84.0	88.0	88.0	88.0	93.3	93.3	94.7	94.7	94.7	94.7	95.3
≥ 300	23.3	74.7	78.7	84.0	88.0	88.0	88.0	93.3	93.3	94.7	94.7	94.7	94.7	95.3
≥ 200	23.3	74.7	78.7	84.0	88.0	88.0	88.0	93.3	93.3	94.7	94.7	94.7	94.7	95.3
≥ 100	23.3	74.7	78.7	84.0	88.0	88.0	88.0	93.3	93.3	94.7	94.7	94.7	94.7	95.3
≥ 0	23.3	74.7	78.7	84.0	88.0	88.0	88.0	93.3	93.3	94.7	94.7	94.7	94.7	95.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12923
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	28.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	34.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	34.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	34.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	34.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	34.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 10000	35.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	35.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	35.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 7000	35.3	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	36.0	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	36.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	36.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	36.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3500	36.7	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3000	39.3	68.0	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500	42.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	42.7	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	43.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	43.3	84.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	43.3	84.7	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	43.3	86.0	90.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	43.3	86.0	90.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	43.3	87.3	92.0	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7
≥ 700	43.3	87.3	92.0	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7
≥ 600	43.3	87.3	92.0	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	43.3	87.3	92.0	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	43.3	87.3	92.0	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	43.3	87.3	92.0	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	43.3	87.3	92.0	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	43.3	87.3	92.0	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0	43.3	87.3	92.0	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	38.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	38.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	38.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	38.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	38.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	38.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	38.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	39.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	39.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	39.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	39.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500	40.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	41.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	42.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	44.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	46.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	46.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	46.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	47.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	47.3	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	47.3	92.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	47.3	92.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	47.3	92.7	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	47.3	92.7	94.7	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	47.3	92.7	95.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 500	47.3	92.7	95.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	47.3	92.7	95.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	47.3	92.7	95.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	47.3	92.7	95.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	47.3	92.7	95.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	47.3	92.7	95.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12928

KINGSVILLE, TEXAS

73-77

NOV

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	34.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	34.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	34.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	34.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 14000	34.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000	34.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	34.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	34.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	34.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	35.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	35.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	36.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	36.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	36.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	37.3	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	38.0	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	39.3	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	39.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	39.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	39.3	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	39.3	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	39.3	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	39.3	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	39.3	91.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	39.3	91.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	39.3	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	39.3	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	39.3	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	39.3	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 200	39.3	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 100	39.3	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0	39.3	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	43.3	61.3	61.3	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	46.7	65.3	65.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	46.7	65.3	65.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	46.7	65.3	65.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	46.7	66.0	66.0	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	46.7	67.3	67.3	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	47.3	68.7	68.7	68.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	48.0	69.3	69.3	69.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	49.3	70.7	70.7	70.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	50.0	71.3	71.3	71.3	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	51.3	72.7	72.7	72.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	53.3	74.7	74.7	74.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	54.0	75.3	75.3	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	54.7	76.0	76.0	76.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	54.7	76.7	76.7	76.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	56.0	78.0	78.0	78.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	59.3	82.7	82.7	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	60.0	83.3	83.3	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	60.0	83.3	83.3	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	61.3	86.7	86.7	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	62.7	88.7	88.7	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	63.3	89.3	90.0	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	64.0	90.7	91.3	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	64.7	93.3	94.0	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	64.7	94.0	94.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	64.7	94.0	94.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	64.7	94.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	64.7	94.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	64.7	94.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	64.7	94.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	64.7	94.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	64.7	94.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	32.8	50.2	51.0	51.4	51.8	52.1	52.6	52.8	52.8	53.0	53.0	53.2	53.4
≥ 20000	35.2	54.8	55.8	56.3	56.8	57.0	57.5	57.8	58.0	58.1	58.1	58.3	58.5
≥ 18000	35.2	54.9	55.9	56.3	56.8	57.1	57.6	57.8	58.1	58.2	58.2	58.3	58.6
≥ 16000	35.2	54.9	55.9	56.3	56.8	57.1	57.6	57.8	58.1	58.2	58.2	58.3	58.6
≥ 14000	35.2	55.1	56.1	56.5	57.0	57.3	57.8	58.0	58.3	58.3	58.3	58.5	58.8
≥ 12000	35.3	55.5	56.5	56.9	57.4	57.7	58.2	58.4	58.7	58.8	58.8	58.9	59.2
≥ 10000	35.7	56.7	57.7	58.1	58.7	58.9	59.4	59.7	59.9	60.0	60.0	60.2	60.4
≥ 9000	35.8	57.3	58.3	58.8	59.3	59.6	60.1	60.3	60.6	60.7	60.7	60.8	61.1
≥ 8000	36.8	59.4	60.4	60.8	61.4	61.7	62.2	62.5	62.8	62.8	62.8	63.0	63.3
≥ 7000	37.4	60.8	61.8	62.4	63.0	63.3	63.8	64.1	64.1	64.3	64.4	64.6	64.8
≥ 6000	37.8	61.8	62.9	63.5	64.1	64.3	64.8	65.2	65.2	65.4	65.5	65.7	65.9
≥ 5000	39.2	64.3	65.4	66.0	66.6	66.8	67.3	67.7	67.7	67.9	68.0	68.2	68.4
≥ 4500	39.4	64.8	66.0	66.6	67.2	67.4	67.9	68.3	68.3	68.5	68.6	68.8	69.0
≥ 4000	40.0	65.7	66.8	67.5	68.1	68.3	68.8	69.2	69.2	69.4	69.5	69.7	69.9
≥ 3500	40.7	67.0	68.3	68.9	69.5	69.8	70.3	70.6	70.6	70.8	70.9	71.1	71.3
≥ 3000	41.8	69.5	70.8	71.5	72.1	72.3	72.9	73.3	73.3	73.5	73.6	73.8	74.0
≥ 2500	43.7	73.3	74.7	75.3	75.9	76.2	76.8	77.1	77.1	77.3	77.4	77.6	77.8
≥ 2000	44.3	75.1	76.6	77.3	77.9	78.2	78.8	79.1	79.1	79.3	79.4	79.6	79.8
≥ 1800	44.5	75.7	77.2	77.9	78.5	78.8	79.3	79.7	79.7	79.9	80.0	80.2	80.4
≥ 1500	45.3	78.8	80.8	81.8	82.3	82.6	83.2	83.5	83.5	83.8	83.8	84.1	84.3
≥ 1200	45.8	80.7	83.0	84.1	84.8	85.0	85.7	86.0	86.0	86.3	86.3	86.6	86.8
≥ 1000	45.9	82.4	85.1	86.7	87.3	87.6	88.3	88.7	88.7	88.9	89.1	89.3	89.6
≥ 900	46.1	82.8	85.5	87.1	87.8	88.0	88.8	89.1	89.1	89.3	89.5	89.8	90.0
≥ 800	46.3	84.4	87.4	89.3	90.1	90.4	91.4	91.8	91.8	92.0	92.2	92.4	92.7
≥ 700	46.3	84.8	87.8	89.7	90.5	90.8	91.9	92.3	92.3	92.7	92.8	93.1	93.3
≥ 600	46.3	84.9	88.1	90.2	91.3	91.7	92.8	93.3	93.3	93.8	93.9	94.2	94.4
≥ 500	46.3	85.2	88.3	90.5	91.5	91.9	93.3	93.8	93.8	94.3	94.5	94.8	95.1
≥ 400	46.3	85.2	88.5	90.8	91.8	92.4	93.9	94.5	94.7	95.3	95.4	95.8	96.0
≥ 300	46.3	85.3	88.8	91.1	92.1	92.7	94.2	94.8	94.9	95.5	95.7	96.1	96.3
≥ 200	46.3	85.3	88.8	91.2	92.2	92.8	94.3	94.9	95.1	95.7	96.0	96.7	96.9
≥ 100	46.3	85.3	88.8	91.3	92.3	92.8	94.3	95.0	95.2	95.8	96.1	96.8	97.2
≥ 0	46.3	85.3	88.8	91.3	92.3	92.8	94.3	95.0	95.2	95.8	96.1	96.8	97.2

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

STATION

12928 KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	38.3	51.3	51.3	52.0	52.6	52.6	53.3	53.3	53.3	53.9	53.9	54.6
≥ 20000	44.8	59.1	59.1	59.7	60.4	60.4	61.0	61.0	61.0	61.7	61.7	62.3
18000	44.8	59.1	59.1	59.7	60.4	60.4	61.0	61.0	61.0	61.7	61.7	62.3
16000	44.8	59.1	59.1	59.7	60.4	60.4	61.0	61.0	61.0	61.7	61.7	62.3
14000	45.5	59.7	59.7	60.4	61.0	61.0	61.7	61.7	61.7	62.3	62.3	63.0
12000	45.5	60.4	60.4	61.0	61.7	61.7	62.3	62.3	62.3	63.0	63.0	63.6
10000	46.1	61.0	61.0	61.7	62.3	62.3	63.0	63.0	63.0	63.6	63.6	64.3
9000	46.1	61.0	61.0	61.7	62.3	62.3	63.0	63.0	63.0	63.6	63.6	64.3
8000	46.7	63.6	63.6	64.3	64.9	64.9	65.6	65.6	65.6	66.2	66.2	66.9
7000	49.4	66.9	66.9	67.5	68.2	68.2	68.8	68.8	68.8	69.5	69.5	70.1
6000	50.0	67.5	67.5	68.2	68.8	68.8	69.5	69.5	69.5	70.1	70.1	70.8
5000	52.0	70.1	70.1	70.8	71.4	71.4	72.1	72.1	72.1	72.7	72.7	73.4
4500	52.6	70.8	70.8	71.4	72.1	72.1	72.7	72.7	72.7	73.4	73.4	74.0
4000	52.6	70.8	70.8	71.4	72.1	72.1	72.7	72.7	72.7	73.4	73.4	74.0
3500	53.3	71.4	71.4	72.1	72.7	72.7	73.4	73.4	73.4	74.0	74.0	74.7
3000	54.6	73.4	73.4	74.0	74.7	74.7	75.3	75.3	75.3	76.0	76.0	76.6
2500	55.8	74.7	74.7	75.3	76.0	76.0	76.6	76.6	76.6	77.3	77.3	77.9
2000	56.5	77.3	77.3	78.0	79.2	79.2	79.9	79.9	79.9	80.5	80.5	81.2
1800	56.5	77.3	77.3	78.0	79.2	79.2	79.9	79.9	79.9	80.5	80.5	81.2
1500	56.5	80.5	81.2	81.8	82.5	82.5	83.1	83.1	83.1	84.4	84.4	85.1
1200	50.4	83.1	83.1	84.4	85.1	85.1	85.7	85.7	85.7	87.0	87.0	87.7
1000	58.4	86.4	87.0	87.7	88.3	88.3	89.0	89.0	89.0	90.3	90.3	90.9
900	58.4	86.4	87.0	87.7	88.3	88.3	89.0	89.0	89.0	90.3	90.3	90.9
800	58.4	86.4	87.0	87.7	88.3	88.3	89.0	89.0	89.0	90.3	90.3	90.9
700	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5
600	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5
500	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5
400	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5
300	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5
200	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5
100	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5
0	58.4	87.7	89.0	89.6	90.3	90.3	90.9	90.9	90.9	92.2	92.2	93.5

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	35.5	45.8	47.1	47.7	48.4	48.4	49.7	49.7	49.7	49.7	51.0	51.0	51.0	51.6
≥ 20000	38.1	49.0	50.3	51.0	51.6	51.6	52.9	52.9	52.9	52.9	54.2	54.2	54.2	54.8
≥ 18000	38.1	49.0	50.3	51.0	51.6	51.6	52.9	52.9	52.9	52.9	54.2	54.2	54.2	54.8
≥ 16000	38.1	49.0	50.3	51.0	51.6	51.6	52.9	52.9	52.9	52.9	54.2	54.2	54.2	54.8
≥ 14000	38.1	49.0	50.3	51.0	51.6	51.6	52.9	52.9	52.9	52.9	54.2	54.2	54.2	54.8
≥ 12000	38.1	49.0	50.3	51.0	51.6	51.6	52.9	52.9	52.9	52.9	54.2	54.2	54.2	54.8
≥ 10000	40.7	51.6	52.9	53.6	54.2	54.2	55.5	55.5	55.5	56.8	57.4	57.4	57.4	58.1
≥ 9000	40.7	51.6	52.9	53.6	54.2	54.2	55.5	55.5	55.5	56.8	57.4	57.4	57.4	58.1
≥ 8000	43.2	54.8	56.1	56.8	57.4	57.4	58.7	58.7	58.7	60.0	60.0	60.0	60.0	60.7
≥ 7000	45.2	56.8	58.1	58.7	59.4	59.4	60.7	60.7	60.7	61.9	61.9	61.9	61.9	62.6
≥ 6000	45.2	57.4	58.7	59.4	60.0	60.0	61.3	61.3	61.3	62.6	62.6	62.6	62.6	63.2
≥ 5000	45.8	58.1	59.4	60.0	60.7	60.7	61.9	61.9	61.9	63.2	63.2	63.2	63.2	63.9
≥ 4500	46.5	58.7	60.0	60.7	61.3	61.3	62.6	62.6	62.6	63.9	63.9	63.9	63.9	64.5
≥ 4000	47.1	60.0	61.3	61.9	62.6	62.6	63.9	63.9	63.9	65.2	65.2	65.2	65.2	65.8
≥ 3500	47.1	60.0	61.3	61.9	62.6	62.6	63.9	63.9	63.9	65.2	65.2	65.2	65.2	65.8
≥ 3000	48.4	61.3	62.6	63.2	63.9	63.9	65.2	65.2	65.2	66.5	66.5	66.5	66.5	67.1
≥ 2500	49.0	62.6	63.9	64.5	65.2	65.2	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.7
≥ 2000	50.3	63.9	65.2	65.8	66.5	66.5	67.1	67.1	67.1	68.4	68.4	68.4	68.4	69.0
≥ 1800	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 1500	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 1200	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 1000	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 900	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 800	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 700	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 600	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 500	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 400	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 300	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 200	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
≥ 100	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3
0	51.6	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7	70.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.6	45.8	45.8	47.1	47.7	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	36.1	49.0	49.0	50.3	51.0	51.6	52.3	52.3	52.3	52.3	52.9	52.9	52.9
≥ 18000	36.1	49.0	49.0	50.3	51.0	51.6	52.3	52.3	52.3	52.9	52.9	52.9	52.9
≥ 16000	36.1	49.0	49.0	50.3	51.0	51.6	52.3	52.3	52.3	52.9	52.9	52.9	52.9
≥ 14000	36.1	49.0	49.0	50.3	51.0	51.6	52.3	52.3	52.3	52.9	52.9	52.9	52.9
≥ 12000	36.1	49.0	49.0	50.3	51.0	51.6	52.3	52.3	52.3	52.9	52.9	52.9	52.9
≥ 10000	38.1	51.6	51.6	52.3	53.6	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5
≥ 9000	38.1	52.3	52.3	53.6	54.2	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1
8000	40.7	54.8	54.8	56.1	56.8	57.4	58.1	58.1	58.1	58.7	58.7	58.7	58.7
7000	42.6	56.8	56.8	58.1	58.7	59.4	60.0	60.0	60.0	60.7	60.7	60.7	60.7
6000	42.6	56.8	56.8	58.1	58.7	59.4	60.0	60.0	60.0	60.7	60.7	60.7	60.7
5000	43.9	58.1	58.1	59.4	60.0	60.7	61.3	61.3	61.3	61.9	61.9	61.9	61.9
4500	43.9	58.1	58.1	59.4	60.0	60.7	61.3	61.3	61.3	61.9	61.9	61.9	61.9
4000	43.9	58.1	58.1	59.4	60.0	60.7	61.3	61.3	61.3	61.9	61.9	61.9	61.9
3500	44.5	59.4	59.4	61.3	61.9	62.6	63.2	63.2	63.2	63.9	63.9	63.9	63.9
3000	44.5	59.4	59.4	61.3	61.9	62.6	63.2	63.2	63.2	63.9	63.9	63.9	63.9
2500	46.5	62.6	62.6	64.5	65.2	65.8	66.5	66.5	66.5	67.1	67.1	67.1	67.1
2000	47.7	65.2	65.2	67.7	68.4	69.0	69.7	69.7	69.7	70.3	70.3	70.3	70.3
1800	47.7	65.8	65.8	68.4	69.0	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0
1500	47.7	68.4	68.4	71.0	72.3	72.9	73.6	73.6	73.6	74.2	74.2	74.2	74.2
1200	47.7	70.3	70.3	72.9	74.8	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8
1000	47.7	71.0	71.0	73.6	75.5	76.1	76.8	76.8	76.8	77.4	77.4	77.4	77.4
900	47.7	71.6	71.6	74.2	76.1	76.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1
800	47.7	73.6	73.6	76.1	78.1	78.7	79.4	79.4	79.4	80.0	80.0	80.0	80.0
700	47.7	75.5	76.1	78.7	80.7	81.3	82.0	82.0	82.0	83.2	83.2	83.2	83.2
600	47.7	76.8	78.1	80.7	82.6	83.2	84.5	84.5	84.5	85.2	85.2	85.2	85.2
500	47.7	78.1	80.0	82.6	84.5	85.2	86.5	86.5	86.5	87.1	87.1	87.1	87.1
400	47.7	78.7	81.3	83.9	86.5	87.1	88.4	88.4	88.4	89.0	89.0	89.0	89.0
300	47.7	78.7	81.9	85.2	87.7	88.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0
200	47.7	78.7	81.9	85.2	87.7	88.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0
100	47.7	78.7	81.9	85.2	87.7	88.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0
0	47.7	78.7	81.9	85.2	87.7	88.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12920
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	16.1	33.6	34.8	35.5	35.5	36.1	36.1	36.1	36.1	36.1	36.8	36.8	36.8
≥ 20000	16.7	38.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	42.6	42.6	42.6
≥ 18000	19.7	38.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	42.6	42.6	42.6
≥ 16000	18.7	40.0	41.9	42.6	42.6	43.2	43.2	43.2	43.2	43.2	43.9	43.9	43.9
≥ 14000	19.4	40.7	42.6	43.2	43.2	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5
≥ 12000	20.0	41.9	43.9	44.5	44.5	45.8	45.8	45.8	45.8	45.8	46.5	46.5	46.5
≥ 10000	20.7	45.2	47.1	47.7	48.4	49.0	49.0	49.0	49.0	49.0	49.7	49.7	49.7
≥ 9000	20.7	46.5	48.4	49.0	49.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0
≥ 8000	23.9	50.3	52.3	53.6	54.2	54.8	54.8	54.8	54.8	54.8	55.5	55.5	55.5
≥ 7000	25.2	52.3	54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	58.1	58.1	58.1
≥ 6000	25.8	54.2	56.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4	60.0	60.0	60.0
≥ 5000	27.1	56.1	58.1	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9
≥ 4500	27.1	56.8	59.4	61.3	61.9	62.6	62.6	62.6	62.6	62.6	63.2	63.2	63.2
≥ 4000	27.7	57.4	60.0	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9
≥ 3500	27.7	58.7	61.3	63.2	63.9	64.5	64.5	64.5	64.5	64.5	65.2	65.2	65.2
≥ 3000	27.7	63.9	66.5	68.4	69.0	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3
≥ 2500	27.7	63.9	66.5	68.4	69.0	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3
≥ 2000	27.7	65.8	68.4	70.3	71.0	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3
≥ 1800	27.7	65.8	68.4	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9
≥ 1500	27.7	66.5	69.0	72.3	72.9	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2
≥ 1200	27.7	67.7	71.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	76.1	76.1	76.1
≥ 1000	27.7	68.4	71.0	74.8	76.8	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7
≥ 900	27.7	68.4	71.0	74.8	76.8	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7
≥ 800	27.7	71.0	74.8	78.7	80.7	81.9	81.9	81.9	81.9	81.9	83.2	83.2	83.2
≥ 700	27.7	72.3	76.1	81.9	83.9	85.2	85.2	85.2	85.2	85.2	86.5	86.5	86.5
≥ 600	27.7	72.3	77.4	83.9	85.8	87.1	87.1	87.1	87.1	87.1	88.4	88.4	88.4
≥ 500	27.7	72.3	77.4	84.5	88.4	89.7	89.7	89.7	89.7	89.7	91.0	91.0	91.0
≥ 400	27.7	72.3	77.4	85.2	89.0	90.3	90.3	90.3	90.3	90.3	92.9	92.9	92.9
≥ 300	27.7	72.3	77.4	85.2	89.0	90.3	90.3	90.3	90.3	90.3	92.9	92.9	92.9
≥ 200	27.7	72.3	77.4	85.2	89.0	90.3	90.3	90.3	90.3	90.3	92.9	92.9	92.9
≥ 100	27.7	72.3	77.4	85.2	89.0	90.3	90.3	90.3	90.3	90.3	92.9	92.9	92.9
≥ 0	27.7	72.3	77.4	85.2	89.0	90.3	90.3	90.3	90.3	90.3	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

ASHEVILLE, TEXAS

73-77

DEC

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	21.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	27.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	27.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	27.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	28.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	31.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	31.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	31.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	32.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	33.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	33.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	34.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	34.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	35.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	36.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	37.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	38.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	38.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	38.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	38.7	83.9	84.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	38.7	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	38.7	86.6	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	38.7	87.1	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	38.7	87.7	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700	38.7	88.4	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	38.7	89.7	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	38.7	89.7	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	38.7	89.7	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	38.7	89.7	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	38.7	89.7	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	38.7	89.7	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	38.7	89.7	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12923
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	28.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	35.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	35.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	35.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	35.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	36.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	37.4	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	37.4	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	38.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	39.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	39.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	40.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	40.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	40.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	40.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	40.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	40.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	40.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	40.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	40.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	40.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	40.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	40.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	40.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	40.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	40.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	40.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 400	40.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	40.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200	40.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 100	40.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
0	40.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1202A
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	31.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	31.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	31.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	31.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	32.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	32.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	33.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	35.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	36.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	36.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	36.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	37.4	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	38.1	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	38.7	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	38.7	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	39.4	77.4	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	39.4	80.7	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	39.4	81.3	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	39.4	85.2	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	39.4	85.8	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	39.4	85.8	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	39.4	86.5	87.7	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	39.4	86.5	87.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	39.4	87.7	89.0	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	39.4	87.7	89.0	92.3	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	39.4	88.0	90.3	94.2	96.1	96.1	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 400	39.4	89.0	90.3	94.2	96.1	96.1	96.8	96.8	96.8	97.4	98.1	98.1	98.1
≥ 300	39.4	89.0	90.3	94.2	96.1	96.1	96.8	96.8	96.8	97.4	98.1	98.1	98.1
≥ 200	39.4	89.0	90.3	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.7	99.4	99.4
≥ 100	39.4	89.0	90.3	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.7	99.4	99.4
≥ 0	39.4	89.0	90.3	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.7	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

1225

7225

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

KINGSVILLE, TEXAS

73-77

STATION NAME

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	46.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	49.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	49.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	49.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	50.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	51.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	52.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	52.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	54.8	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	55.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	56.8	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	58.1	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	58.7	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	59.4	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	60.7	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	61.3	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	61.9	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	61.9	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	62.6	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	64.5	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200	64.5	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	64.5	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	64.5	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	64.5	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	64.5	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	64.5	89.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	64.5	89.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	64.5	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	64.5	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	64.5	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	64.5	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	64.5	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	31.2	46.1	46.4	46.8	47.1	47.2	47.5	47.5	47.5	47.6	47.9	47.9	47.9
≥ 20000	35.2	53.8	54.2	54.6	54.9	55.0	55.4	55.4	55.4	55.5	55.8	55.9	55.9
≥ 18000	35.2	53.8	54.2	54.6	54.9	55.0	55.4	55.4	55.4	55.5	55.8	55.9	55.9
≥ 16000	35.2	54.0	54.4	54.8	55.0	55.2	55.5	55.5	55.5	55.6	55.9	56.0	56.0
≥ 14000	35.6	54.4	54.8	55.2	55.5	55.6	55.9	55.9	55.9	56.0	56.3	56.4	56.4
≥ 12000	36.3	55.6	56.0	56.4	56.7	56.9	57.2	57.2	57.2	57.3	57.6	57.7	57.7
≥ 10000	37.5	57.8	58.2	58.6	59.1	59.4	59.4	59.4	59.4	59.5	59.8	59.9	59.9
≥ 9000	37.5	58.6	59.0	59.4	59.7	59.9	60.2	60.2	60.2	60.3	60.6	60.7	60.7
≥ 8000	39.6	61.2	61.7	62.2	62.5	62.6	63.0	63.0	63.0	63.0	63.4	63.4	63.4
≥ 7000	40.8	63.1	63.6	64.2	64.5	64.7	65.0	65.0	65.0	65.1	65.4	65.5	65.5
≥ 6000	41.2	63.9	64.5	65.1	65.4	65.5	65.9	65.9	65.9	65.9	66.3	66.3	66.3
≥ 5000	42.3	65.4	65.9	66.6	66.9	67.1	67.4	67.4	67.4	67.5	67.8	67.9	67.9
≥ 4500	42.6	65.9	66.5	67.2	67.5	67.6	68.0	68.0	68.0	68.0	68.4	68.4	68.4
≥ 4000	43.1	67.2	67.9	68.5	68.9	69.0	69.3	69.3	69.3	69.4	69.7	69.8	69.8
≥ 3500	43.6	68.4	69.2	70.0	70.3	70.5	70.8	70.8	70.8	70.9	71.2	71.3	71.3
≥ 3000	44.2	70.6	71.4	72.2	72.5	72.6	73.0	73.0	73.0	73.0	73.4	73.5	73.5
≥ 2500	45.0	72.8	73.7	74.6	74.9	75.1	75.4	75.4	75.4	75.5	75.8	75.9	75.9
≥ 2000	45.4	74.7	75.6	76.6	76.9	77.1	77.4	77.4	77.4	77.5	77.8	77.9	77.9
≥ 1800	45.6	75.2	76.2	77.2	77.6	77.7	78.1	78.1	78.1	78.2	78.5	78.6	78.6
≥ 1500	45.8	78.1	79.2	80.4	80.8	81.0	81.3	81.4	81.4	81.5	81.8	81.9	81.9
≥ 1200	46.1	79.5	80.6	82.0	82.5	82.7	83.1	83.1	83.1	83.5	83.8	83.9	83.9
≥ 1000	46.1	80.8	82.2	83.6	84.4	84.8	85.1	85.2	85.2	85.5	85.8	85.9	85.9
≥ 900	46.1	81.3	82.7	84.4	85.2	85.6	85.9	86.0	86.0	86.3	86.6	86.7	86.7
≥ 800	46.1	82.5	84.4	86.2	87.0	87.3	87.9	88.0	88.1	88.4	88.8	88.9	88.9
≥ 700	46.1	83.5	85.6	87.7	88.7	89.0	89.7	89.8	89.8	90.2	90.6	90.6	90.6
≥ 600	46.1	83.9	86.5	88.9	90.2	90.5	91.2	91.3	91.4	91.7	92.1	92.2	92.2
≥ 500	46.1	86.5	87.3	90.0	91.4	91.9	92.7	92.9	93.0	93.3	93.9	94.0	94.0
≥ 400	46.1	84.8	87.7	90.4	92.1	92.7	93.7	94.3	94.4	95.2	95.7	95.9	95.9
≥ 300	46.1	84.8	87.6	90.8	92.5	93.1	94.2	94.8	94.9	95.7	96.3	96.6	96.6
≥ 200	46.1	84.8	87.8	90.8	92.5	93.2	94.3	94.8	95.1	95.9	96.5	96.9	96.9
≥ 100	46.1	84.8	87.8	90.8	92.5	93.2	94.3	94.8	95.1	96.0	96.5	96.9	96.9
0	46.1	84.8	87.8	90.8	92.5	93.2	94.3	94.8	95.1	96.0	96.5	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

1239

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

12929
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	29.7	48.3	49.4	50.3	50.7	50.8	51.0	51.1	51.1	51.3	51.5	51.5	51.6	51.8
≥ 20000	33.4	55.5	57.9	58.8	59.2	59.4	59.7	59.7	59.8	60.0	60.1	60.1	60.2	60.5
AI 18000	33.4	56.6	57.9	58.9	59.3	59.4	59.7	59.8	59.8	60.0	60.2	60.2	60.3	60.6
AI 16000	33.4	56.7	58.0	59.0	59.4	59.5	59.8	59.9	59.9	60.1	60.3	60.3	60.4	60.6
AI 14000	33.6	57.1	58.4	59.4	59.8	59.9	60.2	60.3	60.3	60.5	60.7	60.7	60.8	61.1
AI 12000	33.9	58.1	59.5	60.5	60.9	61.0	61.4	61.5	61.5	61.7	61.9	61.9	62.0	62.4
AI 10000	34.7	60.2	61.6	62.6	63.1	63.3	63.6	63.7	63.7	63.9	64.1	64.1	64.2	64.6
AI 9000	34.9	60.7	62.1	63.2	63.6	63.8	64.1	64.2	64.2	64.4	64.6	64.6	64.7	65.0
AI 8000	35.6	62.5	64.0	65.1	65.6	65.7	66.1	66.2	66.2	66.4	66.6	66.6	66.7	67.1
AI 7000	36.0	63.4	64.9	66.0	66.6	66.7	67.1	67.2	67.2	67.4	67.6	67.6	67.7	68.1
AI 6000	36.1	63.9	65.3	66.4	67.1	67.3	67.6	67.7	67.8	68.0	68.1	68.2	68.3	68.7
AI 5000	36.6	64.8	66.4	67.5	68.1	68.2	68.6	68.7	68.7	68.9	69.1	69.1	69.2	69.6
AI 4500	36.8	65.0	66.7	67.8	68.4	68.5	68.9	69.0	69.0	69.2	69.4	69.4	69.5	70.0
AI 4000	37.1	65.8	67.4	68.6	69.2	69.3	69.7	69.8	69.8	70.0	70.2	70.2	70.3	70.7
AI 3500	37.8	67.1	68.8	70.1	70.6	70.8	71.1	71.2	71.3	71.5	71.7	71.7	71.8	72.2
AI 3000	38.3	69.6	71.4	72.6	73.2	73.4	73.8	73.9	73.9	74.1	74.3	74.3	74.4	74.8
AI 2500	39.7	72.6	74.4	75.7	76.3	76.5	76.9	77.0	77.0	77.2	77.4	77.4	77.5	77.9
AI 2000	40.4	75.6	77.6	79.0	79.6	79.8	80.2	80.3	80.4	80.6	80.7	80.8	80.9	81.3
AI 1800	40.6	76.3	78.4	79.9	80.5	80.6	81.0	81.2	81.2	81.4	81.6	81.6	81.7	82.1
AI 1500	41.2	79.4	81.7	83.3	84.0	84.2	84.6	84.8	84.8	85.0	85.2	85.2	85.4	85.8
AI 1200	41.5	81.3	83.9	85.6	86.4	86.6	87.0	87.1	87.2	87.4	87.6	87.6	87.7	88.2
AI 1000	41.8	82.1	85.9	87.7	88.7	88.9	89.4	89.6	89.6	89.9	90.1	90.1	90.2	90.6
AI 900	41.9	83.7	86.6	88.5	89.5	89.7	90.2	90.4	90.4	90.7	90.9	90.9	91.0	91.4
AI 800	42.0	84.7	87.7	89.9	90.8	91.1	91.7	91.9	91.9	92.2	92.4	92.4	92.5	93.0
AI 700	42.0	85.3	88.5	90.7	91.7	92.0	92.7	92.9	92.9	93.2	93.4	93.4	93.5	94.0
AI 600	42.1	85.9	89.2	91.7	92.8	93.1	93.8	94.1	94.2	94.5	94.7	94.7	94.8	95.3
AI 500	42.2	86.4	89.9	92.5	93.8	94.1	94.9	95.2	95.3	95.7	95.9	95.9	96.1	96.6
AI 400	42.2	86.6	90.2	92.9	94.3	94.7	95.6	95.6	96.0	96.6	96.8	96.8	97.0	97.5
AI 300	42.2	86.8	90.4	93.3	94.7	95.2	95.9	96.3	96.3	97.1	97.4	97.5	97.7	98.2
AI 200	42.2	86.8	90.4	93.3	94.7	95.2	96.2	96.6	96.6	97.5	97.8	97.8	98.2	98.9
AI 100	42.2	86.8	90.4	93.3	94.7	95.2	96.2	96.7	96.7	97.6	98.0	98.0	98.5	99.5
AI 0	42.2	86.8	90.4	93.3	94.7	95.2	96.2	96.7	96.7	97.6	98.0	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

14607

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00	39.0	5.7	6.4	1.4	3.5	2.8	1.4	4.1	2.1	2.8	32.6	4.4	141
	03	36.9	4.3	4.3	5.0	2.8	2.1	.7	3.3	5.7	5.7	29.1	4.7	141
	06	34.8	4.3	5.7	4.3	3.5	1.4	3.5	1.4	5.7		35.5	4.8	141
	09	26.2	3.5	2.8	5.7	5.7	1.4	2.1	5.0	4.3	5.7	37.6	5.6	141
	12	18.4	7.1	3.5	6.4	3.5	3.5	3.5	4.3	11.3	8.5	29.8	5.8	141
	15	20.6	9.2	7.1	.7	2.8	5.0	1.4	6.4	14.2	7.8	24.8	5.5	141
	18	24.8	9.2	5.0	4.3	2.8	4.3	5.0	4.3	9.9	8.5	22.0	5.0	141
	21	40.4	6.4	5.0	4.3	5.0	3.5	2.1	2.1	5.7	2.8	22.7	3.9	141
TOTALS		30.1	6.2	5.0	4.0	3.7	3.0	2.5	3.6	7.4	5.2	29.3	5.0	1128

SKY COVER

12928 STATION

KINGSVILLE, TEXAS

73-77

PERIOD

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
MAR	00	19.4	5.2	2.6	3.2	4.5	3.9	4.5	2.6	4.5	7.1	42.6	155
	03	16.1	3.9	3.2	3.9	2.6	3.2	3.2	3.2	5.8	5.8	49.0	155
	06	9.7	4.5	4.5	5.2	1.9	3.9	2.6	3.2	5.2	2.6	86.8	155
	09	9.0	3.2	3.2	2.6		1.9		4.5	10.3	7.7	57.4	155
	12	11.0	1.3	3.2	3.9	3.2	2.6	2.6	5.2	15.5	7.1	44.5	155
	15	11.0	2.6	3.9	3.2	9.0	3.2	3.2	3.2	12.3	11.6	36.8	155
	18	14.2	3.9	3.2	5.2	7.1	1.9	1.9	4.5	10.3	10.3	37.4	155
	21	20.0	1.9	6.5	5.2	6.5	1.9	2.6	5.2	5.8	5.2	39.4	155
TOTALS		13.8	3.3	3.8	4.1	4.4	2.8	2.6	4.0	8.7	7.2	45.5	1240

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SKY COVER

2

12928 STATION KINGSVILLE, TEXAS PERIOD 73-77 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
MAY	00	16.1	6.5	9.0	6.5	3.9	6.5	2.6	1.9	9.0	6.5	31.6	155
	03	20.6	3.9	5.8	3.9	5.2	3.2	6.5	5.8	11.0	3.9	30.3	155
	06	8.4	1.3	2.6	8.4	3.9	5.8	3.2	7.1	16.8	7.7	34.8	155
	09	10.3	3.2	1.9	3.2	2.6	4.5	3.9	11.0	17.4	11.6	30.3	155
	12	10.3	3.9	1.9	3.2	3.9	5.2	5.2	11.6	12.3	14.2	28.4	155
	15	7.7	3.2	5.8	4.5	5.8	9.7	3.9	10.3	14.8	7.1	27.1	155
	18	12.3	3.9	11.0	6.5	5.8	3.2	5.2	9.0	8.4	12.3	22.6	155
	21	21.9	5.2	7.7	5.8	3.9	6.5	5.8	5.8	8.4	3.9	25.2	155
TOTALS		13.5	3.9	5.7	5.3	4.4	5.6	4.5	7.6	12.3	8.4	28.8	1240

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00	35.3	9.3	7.3	6.7	4.0	5.3	2.7	4.0	4.0	6.0	15.3	3.7	150
	03	24.0	10.0	12.0	6.0	2.7	3.3	6.7	3.3	8.7	3.3	16.0	4.0	150
	06	8.7	8.0	8.0	11.3	8.7	5.3	4.7	8.0	12.7	6.7	16.0	5.4	150
	09	4.7	3.3	3.3	2.0	8.7	7.3	10.0	14.0	21.3	10.7	14.7	6.6	150
	12	2.7	1.3	1.3	5.3	8.7	9.3	10.7	17.3	16.7	12.0	14.7	6.7	150
	15	4.0	1.3	6.0	8.7	14.7	13.3	9.3	12.7	6.7	10.0	13.3	5.9	150
	18	14.0	6.7	14.0	12.0	9.3	8.0	4.7	3.3	10.7	4.7	10.7	4.5	150
	21	35.3	1.3	13.3	6.7	7.3	5.3	6.0	3.3	5.3	5.3	8.7	3.5	150
TOTALS		16.6	5.2	8.2	7.3	8.0	7.1	8.2	8.7	10.8	7.6	13.7	5.0	1200

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00	43.2	9.7	7.1	11.0	5.8	3.2	1.9	3.9	5.2	2.6	6.5	2.6	155
	03	40.0	11.6	8.4	7.7	5.2	5.2	1.9	4.5	2.6	3.2	9.7	2.9	155
	06	6.5	7.7	19.4	12.3	11.6	3.2	6.5	9.0	7.7	6.5	9.7	4.6	155
	09	3.2	2.6	6.5	9.0	7.1	6.5	15.5	14.2	18.7	5.2	11.6	6.1	155
	12	2.6	2.6	5.2	4.5	12.3	13.5	7.7	16.8	14.8	8.4	11.6	6.2	155
	15	1.9	3.2	7.1	9.7	13.5	14.8	5.2	10.3	17.4	7.1	9.7	5.8	155
	18	16.8	9.7	9.0	9.0	7.7	5.2	5.2	10.3	9.0	5.8	12.3	4.6	155
	21	36.1	12.3	8.4	6.5	5.2	3.9	8.4	4.5	4.5	3.2	7.1	3.1	155
TOTALS		155	7.4	9.0	9.7	9.4	6.9	6.5	9.2	10.0	5.3	8.8	4.5	1240

SKY COVER

 12022 STATION
 KINGSVILLE, TEXAS

73-77

PERIOD

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00	45.2	7.7	5.8	7.1	9.0	2.6	4.2	2.6	6.5	3.2	5.8	2.7	155
	03	43.2	11.0	7.1	7.1	5.2	5.2	6.5	1.3	2.6	2.6	8.4	2.7	155
	06	6.5	12.9	16.8	15.5	6.5	11.0	3.9	5.2	6.5	6.5	9.0	4.3	155
	09	5.2	4.5	5.8	6.5	7.1	12.9	11.0	19.4	11.0	3.9	12.3	5.8	155
	12	1.9	.6	1.9	5.8	11.0	12.9	10.3	12.9	20.0	12.3	9.7	6.5	155
	15	1.3	1.3	5.2	6.4	14.2	10.3	5.2	9.0	14.8	15.5	14.8	6.5	155
	18	8.4	7.7	10.3	9.0	3.9	5.4	6.5	7.7	10.3	12.9	14.8	5.5	155
	21	32.3	11.0	5.2	9.0	8.4	5.2	4.5	6.5	6.5	3.2	7.7	3.4	155
TOTALS		18.0	7.2	7.3	8.6	8.2	8.6	6.6	8.1	9.9	7.5	10.3	4.7	1240

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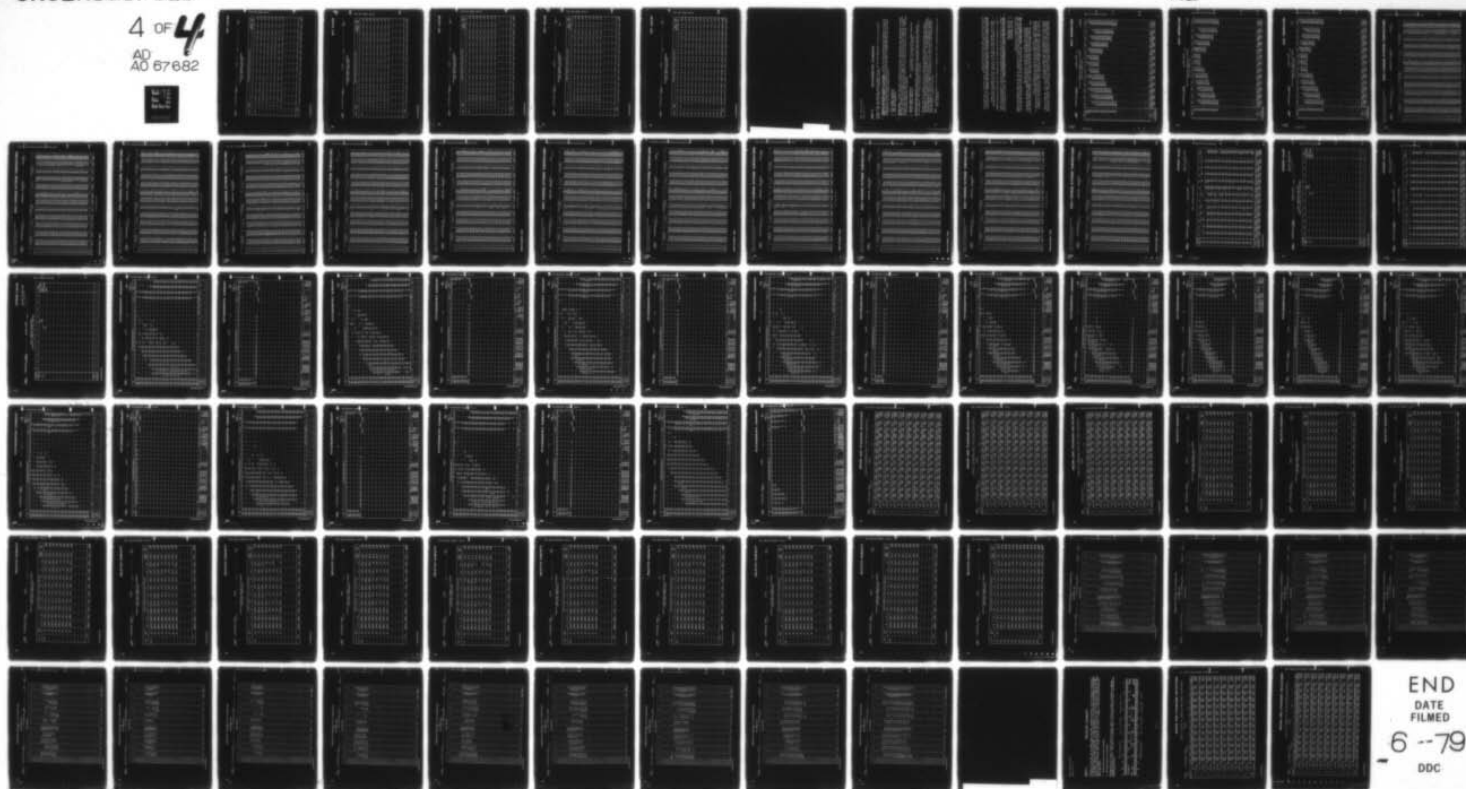
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KINGSVIL--ETC(U)
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PERIOD

73-77

XAS
STATION NAME

KINGSVILLE, TEXAS
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00	44.7	6.7	9.3	8.0	3.3	1.3	2.7	4.7	3.3	2.7	13.3	3.0	150
	03	36.7	7.3	10.0	8.7	6.7	2.0	2.0	6.7	5.3	2.7	12.0	3.4	150
	06	14.7	12.7	12.7	10.0	8.7	6.0	4.0	5.3	9.3	5.3	11.3	4.2	150
	09	10.7	6.0	7.3	8.0	6.7	8.7	4.7	14.0	10.7	8.7	14.7	5.5	150
	12	6.0	4.0	4.0	8.7	8.7	16.0	2.7	12.7	20.7	5.3	11.3	5.8	150
	15	6.0	3.3	4.7	10.7	12.7	12.0	5.3	10.7	12.0	10.7	12.0	5.7	150
	18	14.0	9.3	7.3	8.0	9.3	6.0	5.3	8.0	9.3	8.7	14.7	5.0	150
	21	36.0	8.0	10.7	6.0	8.0	4.7	2.0	9.0	3.3	2.0	13.3	3.3	150
TOTALS		211	72	83	85	80	71	36	82	92	58	128	4.5	1200

SKY COVER

1292B
STATIONKINGSVILLE, TEXAS
STATION NAME

73-77

PERIOD

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
OCT	00	67.7	5.2	4.5	4.5	3.2	5.8	3.2	5.8	2.6	3.2	14.2	155
	03	41.9	7.7	5.8	1.9	2.6	7.1	4.5	3.2	4.5	6.5	14.2	155
	06	21.3	8.4	9.7	12.3	6.5	6.5	3.2	3.9	5.2	5.2	18.1	155
	09	18.1	5.2	10.3	9.7	6.5	4.5	3.2	8.4	7.1	4.5	22.6	155
	12	9.0	2.6	6.5	6.5	7.1	7.1	11.0	9.0	13.5	8.4	19.4	155
	15	9.0	6.5	3.9	12.9	9.0	5.8	9.0	6.5	9.0	7.7	20.6	155
	18	16.8	12.9	11.0	9.7	6.5	4.5	3.2	3.9	8.4	5.2	18.1	155
	21	43.2	7.1	2.6	7.1	7.7	3.2	1.9	7.7	3.9	3.9	11.6	155
TOTALS		25.9	7.0	6.8	8.1	6.1	5.6	4.9	6.1	6.8	5.6	17.4	1240

KINGSVILLE, TEXAS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00	44.7	3.3	3.3	4.0	2.0	3.3	4.0	4.7	4.7	4.0	24.0	4.0	150
	03	35.3	4.7	2.7	3.3	.7	4.0	4.0	6.7	2.0	6.0	30.7	4.9	150
	06	29.3	6.0	2.0	6.7	4.0	4.0	4.7	2.7	4.7	3.3	32.7	5.1	150
	09	25.3	4.7	4.7	1.3	2.0	3.3	3.3	7.3	6.7	11.3	30.0	5.7	150
	12	22.0	4.0	2.7	4.7	1.3	2.7	7.3	8.7	10.7	11.3	24.7	5.8	150
	15	21.3	4.7	6.7	4.0	4.0	6.0	4.0	6.7	11.3	4.0	27.3	5.5	150
	18	26.0	9.3	9.3	4.7	4.0	4.7	4.7	6.7	4.7	4.7	21.3	4.5	150
	21	44.7	4.0	4.0	3.3	2.7	2.7	2.7	6.7	5.3	2.7	21.3	3.9	150
TOTALS		211	5.1	4.4	4.0	2.6	3.8	4.3	6.0	6.3	5.9	26.5	4.9	1200

SKY COVER

12920 STATION KINGSVILLE, TEXAS 73-77 PERIOD DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
DEC	00	35.0	3.2	.6	4.5	3.9	.6	5.2	3.9	3.9	4.5	30.5	154
	03	30.3	3.9	2.6	3.9	1.9	5.2	3.9	3.2	4.5	3.9	36.8	155
	06	28.4	7.1	4.5	2.6	3.2	1.3	2.6	3.2	4.5	1.9	40.6	155
	09	18.1	2.6	3.2	1.9	5.8	3.2	1.3	1.9	7.7	10.3	43.9	155
	12	18.7	3.2	5.8	3.2	2.6	3.9	1.9	4.5	8.4	9.0	38.7	155
	15	20.6	7.1	5.2	1.9	3.2	5.2	5.8	6.2	8.4	3.2	32.9	155
	18	23.2	7.1	7.7	3.9	3.9	2.6	1.3	2.6	4.5	9.0	34.2	155
	21	40.0	3.2	2.6	3.9	2.6	1.9	2.6	5.2	5.2	3.9	29.0	155
TOTALS		27.3	4.7	4.0	3.2	3.4	3.0	3.1	3.9	5.9	5.7	35.8	1239

SKY COVER

5704 SKY COVER JAN 68

12928
STATION

KINGSVILLE, TEXAS
STATION NAME

73-77

PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	18.7	3.6	3.6	4.0	3.2	3.2	3.5	4.4	4.8	4.2	46.9	1240
FEB		30.1	6.2	5.0	4.0	3.7	3.0	2.5	3.0	7.4	5.2	29.3	1128
MAR		13.8	2.3	3.8	4.1	4.4	2.8	2.6	4.0	8.7	7.2	45.5	1240
APR		18.3	3.3	4.2	3.2	3.7	2.5	3.2	5.9	9.8	7.9	38.2	1200
MAY		13.5	3.9	5.7	5.3	4.4	5.6	4.5	7.8	12.3	8.4	28.8	1240
JUN		16.6	5.2	8.2	7.3	8.0	7.1	6.9	6.7	10.8	7.6	13.7	1200
JUL		18.8	7.4	8.9	8.7	8.6	8.9	6.5	9.2	10.0	5.3	9.8	1240
AUG		18.0	7.2	7.3	8.6	8.2	8.6	6.6	8.1	9.9	7.5	10.3	1240
SEP		21.1	7.2	8.3	8.5	8.0	7.1	3.6	8.2	9.2	5.8	12.8	1200
OCT		25.9	7.0	6.8	8.1	6.1	5.6	4.9	9.1	6.8	5.6	17.4	1240
NOV		31.1	5.1	4.4	4.0	2.6	3.8	4.3	6.0	6.3	5.9	26.5	1200
DEC		27.3	4.7	4.0	3.2	3.4	3.0	3.1	3.9	5.9	5.7	35.8	1239
TOTALS		21.1	5.3	5.9	5.8	5.4	4.9	4.4	6.4	8.5	6.4	26.3	14607

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

12928
STATIONKINGSVILLE, TEXAS
STATION NAME

45-46, 51-77

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80					7	4.7	6.1	6.0	1.7	3			1.6
75				3.0	22.0	53.6	76.3	74.9	43.5	7.1			23.5
70			5.6	31.1	56.4	90.6	98.9	98.5	79.0	26.5	7		41.2
65		3	25.0	55.2	83.2	98.3	100.0	100.0	91.8	51.2	5.6		53.4
60	6	6.7	43.3	73.5	94.5	99.6			97.7	70.6	18.0		63.5
55	12.7	16.4	60.4	87.3	98.7	100.0			99.2	86.1	36.2		72.3
50	24.6	30.3	76.3	95.2	99.9				100.0	95.5	52.4		80.7
45	37.6	50.7	88.1	98.9	100.0					99.0	68.9		88.0
40	55.9	70.1	96.5	100.0						100.0	82.1		94.4
35	75.6	85.7	99.8								93.0		97.9
30	87.9	94.8									97.7		99.5
25	96.8	98.6	100.0								100.0		99.9
20	99.3	100.0											100.0
15	99.8												100.0
10	100.0												
5													
0													
MEAN	46.7	49.6	56.7	64.3	69.8	74.4	76.0	75.9	72.6	63.9	54.8	48.5	62.8
S. D.	10.284	9.255	9.084	7.624	5.638	3.767	2.439	2.501	4.934	7.884	9.896	9.549	12.997
TOTAL OBS.	837	763	868	810	837	810	824	866	850	868	590	868	10031

NAVWEASERVCOM

8721 Daily Temperature Jan 1969

DAILY TEMPERATURES

STATION
12928

KINGSVILLE, TEXAS

45-469 51-77

YEARS

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

2

12225 STATION KINGSVILLE, TX. 1946-1946 1952-1977 1977 MONTH
STATION NAME YEARS

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	55.9	13.3	64.9	18.3	86	30.0	46.9	8.3	31	-0.6	1977
2	56.8	13.8	65.6	18.7	82	27.8	47.9	8.8	32	0.0	1977
3	55.4	13.0	63.7	17.6	91	32.8	47.1	8.4	30	-1.1	1977
4	54.2	12.3	63.1	17.3	82	27.8	45.3	7.4	28	-2.2	1959
5	53.6	12.0	62.8	17.1	84	28.9	44.3	6.8	30	-1.1	1969
6	54.9	12.7	64.4	18.0	87	30.6	45.3	7.4	30	-1.1	1972*
7	54.7	12.6	64.8	18.2	83	28.3	44.0	7.0	23	-5.0	1970
8	56.9	13.8	66.8	19.3	87	30.6	47.1	8.4	25	-3.9	1976
9	56.1	13.4	66.8	19.3	89	31.7	45.3	7.4	26	-3.3	1962
10	53.2	11.8	63.5	17.5	91	32.8	42.9	6.1	22	-5.6	1962
11	53.9	12.2	64.5	18.1	79	26.1	43.3	6.3	23	-5.0	1962
12	54.4	12.4	64.6	18.1	66	30.0	44.2	6.8	17	-8.3	1962
13	56.3	13.5	65.7	18.7	68	31.1	47.0	8.3	19	-7.2	1975
14	57.6	14.2	68.0	20.0	85	29.4	47.3	8.5	26	-3.3	1975
15	56.9	13.8	67.8	19.9	83	28.3	46.0	7.8	33	0.6	1975*
16	55.1	12.8	66.3	19.1	81	27.2	43.9	6.6	31	-0.6	1972
17	56.7	13.7	66.8	19.3	87	30.6	46.6	8.1	32	0.0	1977*
18	57.5	14.2	67.5	19.7	85	29.4	47.8	8.8	29	-1.7	1977
19	56.6	13.7	66.8	19.3	85	29.4	46.3	7.9	27	-2.8	1977
20	57.3	14.1	67.7	19.8	87	30.6	46.9	8.3	28	-2.2	1963
21	57.4	14.1	68.4	20.2	85	29.4	46.4	8.0	29	-1.7	1963
22	58.7	14.8	69.2	20.7	92	33.3	48.3	9.1	31	-0.6	1959
23	56.3	13.5	65.4	18.6	92	33.3	47.2	8.4	26	-3.3	1963
24	55.5	13.1	64.6	18.1	89	31.7	46.5	8.1	20	-6.7	1963
25	59.3	15.2	69.6	20.9	88	31.1	49.0	9.4	33	0.6	1963
26	61.1	16.2	72.4	22.4	90	32.2	49.7	9.8	33	0.6	1966
27	60.1	15.6	69.7	20.9	87	30.6	50.6	10.3	30	-1.1	1976
28	59.2	15.1	69.2	20.7	84	28.9	49.2	9.6	29	-1.7	1976
29	59.2	15.1	70.2	21.2	86	30.0	48.2	9.0	29	-1.7	1973
30	59.1	15.1	70.8	21.6	92	33.3	47.4	8.6	26	-3.3	1966
31	60.6	15.9	70.7	21.5	87	30.6	50.6	10.3	34	1.1	1960
Monthly	56.8	13.8	66.8	19.3	92	33.3	46.7	8.2	17	-8.3	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 12928 KINGSVILLE, IX. STATION NAME 1946-1946 1952-1977 YEARS MONTH FEBRUARY

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	62.8	17.1	71.9	22.2	87	30.6	53.6	12.0	39	3.9	39	3.9	1977*
2	58.7	14.8	68.8	20.4	91	32.8	48.6	9.2	35	1.7	35	1.7	1966
3	57.2	14.0	67.0	19.4	88	31.1	47.3	8.5	30	-1.1	30	-1.1	1970
4	59.2	15.1	70.9	21.5	85	29.4	47.6	8.7	30	-1.1	30	-1.1	1972
5	61.2	16.2	72.5	22.5	85	29.4	49.9	9.9	34	1.1	34	1.1	1956
6	59.1	15.1	69.8	21.0	82	27.8	48.4	9.1	36	2.2	36	2.2	1956
7	57.1	13.9	66.6	19.2	83	28.3	47.6	8.7	31	-0.6	31	-0.6	1975
8	58.6	14.8	69.9	21.1	91	32.8	47.4	8.6	29	-1.7	29	-1.7	1971
9	60.2	15.7	72.3	22.4	95	35.0	48.0	8.9	27	-2.8	27	-2.8	1974
10	61.2	16.2	73.3	22.9	94	34.4	49.1	9.5	28	-2.2	28	-2.2	1973
11	60.2	15.7	71.5	21.9	86	30.0	48.9	9.4	33	0.6	33	0.6	1963*
12	59.2	15.1	69.9	21.1	86	30.0	48.6	9.2	29	-1.7	29	-1.7	1963
13	60.2	15.7	71.3	21.8	85	29.4	49.1	9.5	29	-1.7	29	-1.7	1958
14	61.9	16.6	72.5	22.5	83	28.3	51.3	10.7	30	-1.1	30	-1.1	1963
15	61.6	16.4	71.4	21.9	88	31.1	51.9	11.1	37	2.8	37	2.8	1963
16	60.6	15.9	70.8	21.6	85	29.4	50.5	10.3	36	2.2	36	2.2	1977
17	61.2	16.2	71.2	21.8	91	32.8	51.3	10.7	38	3.3	38	3.3	1977
18	61.3	16.3	71.1	21.7	89	31.7	51.5	10.8	37	2.8	37	2.8	1960
19	61.0	16.1	70.8	21.6	85	29.4	51.1	10.6	40	4.4	40	4.4	1966
20	60.1	15.6	69.3	20.7	86	30.0	50.9	10.5	40	4.4	40	4.4	1959*
21	58.9	14.9	68.7	20.4	90	32.2	49.1	9.5	35	1.7	35	1.7	1964
22	58.2	14.6	68.1	20.1	92	33.3	48.3	9.1	34	1.1	34	1.1	1964
23	58.7	14.8	68.9	20.5	85	29.4	48.6	9.2	31	-0.6	31	-0.6	1968
24	58.6	14.8	69.4	20.8	89	31.7	47.9	8.8	29	-1.7	29	-1.7	1968
25	60.5	15.8	72.6	22.6	94	34.4	48.4	9.1	28	-2.2	28	-2.2	1960
26	62.6	17.0	74.2	23.4	93	33.9	51.0	10.6	27	-2.8	27	-2.8	1974
27	63.8	17.7	75.4	24.1	92	33.3	52.1	11.2	37	2.8	37	2.8	1952
28	62.5	16.9	73.6	23.1	86	30.0	51.3	10.7	35	1.7	35	1.7	1962
29	60.6	15.9	72.3	22.4	93	33.9	48.9	9.4	39	3.9	39	3.9	1960
30													
31													
Monthly	60.2	15.7	70.9	21.6	95	35.0	49.6	9.8	27	-2.8	27	-2.8	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

12926 KINGSVILLE, TX.

STATION NAME

1945-1946 1952-1977

YEARS

MARCH

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	64.5	18.1	74.3	23.5	93	33.9	54.6	12.6	34	1.1	1962
2	66.6	19.2	77.5	25.3	90	32.2	55.7	13.2	39	3.9	1962*
3	66.2	19.0	76.0	24.4	90	32.2	56.4	13.6	37	2.8	1971
4	64.4	18.0	74.0	23.3	89	31.7	54.7	12.6	32	0.0	1971
5	63.7	17.6	73.0	22.8	92	33.3	54.3	12.4	38	3.3	1965
6	63.1	17.3	73.4	23.0	91	32.8	52.9	11.6	38	3.3	1959
7	62.8	17.1	73.1	22.8	89	31.7	52.6	11.4	38	3.3	1954
8	63.5	17.5	73.7	23.2	88	31.1	53.3	11.8	35	1.7	1956
9	65.9	18.8	76.5	24.7	87	30.6	55.2	12.9	41	5.0	1969*
10	68.3	20.2	78.4	25.8	93	33.9	58.3	14.6	41	5.0	1969
11	68.5	20.3	78.0	25.6	95	35.0	59.1	15.1	44	6.7	1969
12	67.8	19.9	78.1	25.6	95	35.0	57.4	14.1	41	5.0	1969
13	65.0	18.3	74.5	23.6	93	33.9	55.5	13.1	38	3.3	1970
14	66.1	18.9	75.9	24.4	99	37.2	56.2	13.4	37	2.8	1975
15	66.5	19.2	76.4	24.7	88	31.1	56.6	13.7	39	3.9	1954
16	66.1	18.9	76.4	24.7	91	32.8	55.9	13.3	38	3.3	1962
17	67.7	19.8	78.5	25.8	92	33.3	56.8	13.8	40	4.4	1976*
18	68.2	20.1	78.9	26.1	91	32.8	57.6	14.2	36	2.2	1960
19	67.4	19.7	78.4	25.8	90	32.2	56.5	13.6	38	3.3	1958
20	67.9	19.9	79.2	26.2	101	38.3	56.6	13.7	36	2.2	1965
21	66.6	19.2	77.4	25.2	101	38.3	55.7	13.2	42	5.6	1965
22	65.9	18.8	75.7	24.3	96	35.6	56.0	13.3	39	3.9	1970
23	68.6	20.3	78.6	26.4	97	36.1	57.6	14.2	41	5.0	1968
24	68.7	20.4	79.1	26.2	97	36.1	58.4	14.7	38	3.3	1974
25	68.0	20.0	78.5	25.8	96	35.6	57.5	14.2	39	3.9	1974
26	65.8	18.8	75.5	24.2	89	31.7	56.2	13.4	37	2.8	1955
27	68.0	20.0	77.9	25.5	96	35.6	58.2	14.6	38	3.3	1955
28	70.9	21.6	81.4	27.4	98	36.7	60.4	15.8	44	6.7	1955
29	70.7	21.5	79.9	26.6	94	34.4	61.5	16.4	40	4.4	1955
30	69.7	20.9	79.3	26.3	98	36.7	60.0	15.6	39	3.9	1975
31	70.1	21.2	80.9	27.2	92	33.3	59.4	15.2	45	7.2	1976
Monthly	66.9	19.4	77.1	25.1	101	38.3	56.7	13.7	32	0.0	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION
12928

KINGSVILLE, IX.
STATION NAME

1945-1946 1952-1977
YEARS

APRIL
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C
1	70.2	21.2	81.4	96	35.6	58.9	43	6.1
2	71.1	21.7	81.7	93	33.9	60.5	45	7.2
3	72.8	22.7	83.4	95	35.0	62.1	41	5.0
4	70.7	21.5	80.8	94	34.4	60.6	44	6.7
5	68.9	20.5	79.0	93	33.9	58.8	45	7.2
6	68.9	20.5	80.4	93	33.9	57.3	41	5.0
7	70.5	21.4	81.1	100	37.8	59.8	42	5.6
8	71.9	22.2	82.2	98	36.7	61.6	46	7.8
9	70.9	21.6	79.5	101	38.3	62.2	46	7.8
10	71.0	21.7	79.5	92	33.3	62.5	47	8.3
11	72.7	22.6	81.6	93	33.9	63.9	51	10.6
12	73.3	22.9	81.6	94	34.4	65.0	54	12.2
13	72.2	22.3	80.6	95	35.0	63.8	49	9.4
14	72.1	22.3	80.9	97	36.1	63.2	52	11.1
15	72.1	22.3	81.3	95	35.0	62.9	52	11.1
16	72.2	22.3	81.6	93	33.9	62.7	46	7.8
17	73.7	23.2	82.9	91	32.8	64.4	52	11.1
18	75.0	23.9	83.6	99	37.2	66.3	52	11.1
19	74.8	23.8	83.0	95	35.0	66.7	49	9.4
20	74.9	23.8	83.2	94	34.4	66.6	53	11.7
21	74.8	23.8	83.3	96	35.6	66.3	50	10.0
22	76.2	24.6	84.6	92	33.3	67.9	55	12.8
23	76.7	24.8	85.5	103	39.4	67.8	57	13.9
24	76.4	24.7	85.8	96	35.6	67.1	55	12.8
25	76.1	24.5	85.6	99	37.2	66.6	50	10.0
26	76.5	24.7	84.6	92	33.3	68.5	55	12.8
27	75.9	24.4	84.2	95	35.0	67.6	52	11.1
28	77.3	25.2	85.8	96	35.6	68.9	48	8.9
29	77.3	25.2	85.1	100	37.8	69.4	59	15.0
30	76.2	24.6	84.7	99	37.2	67.8	51	10.6
31								
Monthly	73.4	23.0	82.6	103	39.4	64.3	41	5.0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

MAY

1945-1946 1952-1977

STATION NAME
KINGSVILLE, TX.

MONTH

YEARS

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	75.6	24.2	83.9	28.8	100	37.8	1953		67.3	19.6	55	12.8	1965	
2	74.7	23.7	83.4	28.6	97	36.1	1964		66.0	18.9	52	11.1	1976	
3	74.9	23.8	83.4	28.6	91	32.8	1957		66.4	19.1	50	10.0	1954	
4	75.0	23.9	84.1	28.9	90	32.2	1967*		65.9	18.8	48	8.9	1954	
5	76.0	24.4	84.2	29.0	97	36.1	1971		67.8	19.9	51	10.6	1970	
6	76.5	24.7	84.9	29.4	98	36.7	1967		68.1	20.1	55	12.8	1970	
7	77.4	25.2	86.1	30.1	95	35.0	1967		68.6	20.3	59	15.0	1960	
8	77.8	25.4	86.8	30.4	102	38.9	1967		68.8	20.4	53	11.7	1960	
9	78.2	25.7	86.6	30.3	98	36.7	1952		69.8	21.0	61	16.1	1973	
10	78.6	25.9	87.1	30.6	96	35.6	1971*		70.0	21.1	55	12.8	1961	
11	78.2	25.7	86.6	30.3	98	36.7	1967		69.7	20.9	54	12.2	1961	
12	78.0	25.6	86.9	30.5	102	38.9	1967		69.1	20.6	56	13.3	1952	
13	77.4	25.2	85.6	29.8	96	35.6	1967		69.1	20.6	57	13.9	1960	
14	77.4	25.2	86.1	30.1	96	35.6	1967		68.6	20.3	56	13.3	1953	
15	78.0	25.6	86.5	30.3	95	35.0	1945		69.5	20.8	59	15.0	1976	
16	77.7	25.4	86.4	30.2	90	32.2	1976*		69.1	20.6	57	13.9	1973	
17	77.6	25.3	86.1	30.1	92	33.3	1966		69.2	20.7	54	12.2	1970	
18	77.6	25.3	86.3	30.2	93	33.9	1973*		68.9	20.5	57	13.9	1970	
19	78.7	25.9	88.0	31.1	99	37.2	1973		69.4	20.8	62	16.7	1956	
20	78.8	26.0	87.6	30.9	100	37.8	1973		70.1	21.2	60	15.6	1952	
21	79.2	26.2	87.9	31.1	99	37.2	1955		70.5	21.4	64	17.8	1967*	
22	80.3	26.8	89.1	31.7	98	36.7	1957		71.6	22.0	59	15.0	1967	
23	80.2	26.8	88.6	31.4	102	38.9	1955		71.8	22.1	61	16.1	1967	
24	80.4	26.9	88.8	31.6	99	37.2	1955		72.0	22.2	62	16.7	1967	
25	80.9	27.2	89.1	31.7	93	33.9	1953		72.7	22.6	66	18.9	1967	
26	81.9	27.7	90.7	32.6	105	40.6	1955		73.2	22.9	68	20.0	1976*	
27	80.7	27.1	89.3	31.8	100	37.8	1973		72.0	22.2	66	18.9	1970*	
28	80.5	26.9	89.0	31.7	94	34.4	1973		72.0	22.2	62	16.7	1976	
29	80.5	26.9	89.3	31.8	94	34.4	1958*		71.7	22.1	64	17.8	1961	
30	80.9	27.2	89.7	32.1	99	37.2	1962		72.1	22.3	66	18.9	1975	
31	81.2	27.3	90.1	32.3	97	36.1	1967		72.3	22.4	60	15.6	1975	
Monthly	78.4	25.8	87.0	30.6	105	40.6	1953		69.8	21.0	48	8.9	1954	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

12928
STATION

KINGSVILLE, TX.
STATION NAME

1945-1946 1951-1977
YEARS

JUNE
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	80.9	27.2	89.9	32.2	97	36.1	1953	71.9	22.2	60	15.6	1975
2	80.1	26.7	89.0	31.7	97	36.1	1960	71.1	21.7	60	15.6	1975
3	80.5	26.9	89.4	31.9	95	35.0	1953	71.5	21.9	61	16.1	1970
4	81.0	27.2	89.9	32.2	95	35.0	1973*	72.1	22.3	64	17.8	1970*
5	81.4	27.4	90.4	32.4	95	35.0	1973	72.5	22.5	66	18.9	1970*
6	81.7	27.6	90.8	32.7	94	34.4	1974*	72.7	22.6	65	18.3	1969
7	82.6	28.1	91.1	32.8	97	36.1	1977	74.1	23.4	67	19.4	1969
8	82.7	28.2	91.0	32.8	98	36.7	1977*	74.3	23.5	66	18.9	1970
9	82.7	28.2	91.0	32.8	97	36.1	1955	74.3	23.5	69	20.6	1969*
10	82.1	27.8	90.1	32.3	95	35.0	1953	74.1	23.4	60	15.6	1955
11	82.9	28.3	91.0	32.8	96	35.6	1977*	74.9	23.8	65	18.3	1974
12	83.2	28.4	91.6	33.1	100	37.8	1953	74.9	23.8	66	18.9	1974
13	83.7	28.7	92.7	33.7	99	37.2	1953	74.7	23.7	69	20.6	1956
14	83.5	28.6	92.3	33.5	99	37.2	1956*	74.8	23.8	69	20.6	1976*
15	84.4	29.1	92.9	33.8	98	36.7	1971*	76.0	24.4	65	18.3	1974
16	84.3	29.1	92.6	33.7	98	36.7	1963*	76.0	24.4	66	18.9	1974
17	84.0	28.9	91.7	33.2	97	36.1	1960	76.3	24.6	69	20.6	1974
18	82.9	28.3	90.6	32.6	97	36.1	1960	75.3	24.1	70	21.1	1974
19	83.2	28.4	91.7	33.2	100	37.8	1953	74.7	23.7	70	21.1	1974*
20	82.8	28.2	91.4	33.0	102	38.9	1969	74.2	23.4	68	20.0	1951
21	83.5	28.6	92.0	33.3	99	37.2	1969	75.0	23.9	69	20.6	1974
22	83.1	28.4	91.4	33.0	99	37.2	1969*	74.9	23.8	69	20.6	1974
23	82.9	28.3	90.9	32.7	100	37.8	1953	74.8	23.8	70	21.1	1974*
24	83.4	28.6	91.8	33.2	96	35.6	1972*	75.0	23.9	69	20.6	1974
25	83.1	28.4	91.1	32.8	99	37.2	1953	75.1	23.9	63	17.2	1974
26	83.2	28.4	91.4	33.0	100	37.8	1953	75.1	23.9	57	13.9	1974
27	83.5	28.6	91.8	33.2	101	38.3	1953	75.2	24.0	58	14.4	1974
28	83.9	28.8	92.1	33.4	99	37.2	1956*	75.7	24.3	62	16.7	1974
29	84.0	28.9	92.4	33.6	97	36.1	1956*	75.6	24.2	65	18.3	1974
30	84.3	29.1	92.9	33.8	96	35.6	1977*	75.7	24.3	67	19.4	1974*
31												
Monthly	82.9	28.3	91.3	32.9	102	38.9	1969	74.4	23.6	27	13.9	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 12928 KINGSVILLE, IX. STATION NAME 1945-1946 1951-1977 YEARS MONTH JULY

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	83.8	28.8	92.0	33.3	98	36.7	1964		75.5	24.2	70	21.1	1954	
2	83.8	28.8	92.2	33.4	100	37.8	1964		75.5	24.2	72	22.2	1963*	
3	84.4	29.1	93.0	33.9	98	36.7	1969*		75.8	24.3	71	21.7	1963	
4	84.7	29.3	93.5	34.3	100	37.8	1957		75.6	24.2	71	21.7	1974	
5	84.4	29.1	93.0	33.9	97	36.1	1970*		75.8	24.3	71	21.7	1975*	
6	84.3	29.1	92.9	33.8	99	37.2	1970		75.6	24.2	68	20.0	1974	
7	84.5	29.2	93.3	34.1	98	36.7	1953		75.6	24.2	70	21.1	1974	
8	84.4	29.1	93.1	33.9	99	37.2	1970		75.6	24.2	72	22.2	1974	
9	84.4	29.1	92.9	33.8	97	36.1	1975*		76.0	24.4	72	22.2	1977	
10	84.4	29.1	93.3	34.1	98	36.7	1969*		75.5	24.2	69	20.6	1975	
11	84.4	29.1	93.4	34.1	97	36.1	1959*		75.5	24.2	72	22.2	1974*	
12	85.3	29.6	94.4	34.7	102	38.9	1954		76.2	24.6	72	22.2	1974	
13	84.5	29.2	93.4	34.1	99	37.2	1960*		75.7	24.3	71	21.7	1975	
14	84.5	29.2	93.1	33.9	101	38.3	1960		75.8	24.3	68	20.0	1974	
15	84.7	29.3	93.3	34.1	101	38.3	1969		76.1	24.5	68	20.0	1967	
16	84.7	29.3	93.4	34.1	100	37.8	1956		76.0	24.4	65	18.3	1967	
17	84.7	29.3	93.4	34.1	98	36.7	1953*		76.1	24.5	71	21.7	1974	
18	84.6	29.2	93.3	34.1	98	36.7	1953		76.0	24.4	73	22.8	1974	
19	84.9	29.4	93.6	34.2	100	37.8	1969		76.1	24.5	71	21.7	1974	
20	84.7	29.3	93.7	34.3	100	37.8	1969		75.8	24.3	67	19.4	1974	
21	84.8	29.3	93.4	34.1	100	37.8	1953		76.2	24.6	70	21.1	1974	
22	85.3	29.6	94.3	34.6	102	38.9	1969		76.3	24.6	71	21.7	1974	
23	85.4	29.7	94.4	34.7	101	38.3	1969		76.3	24.6	71	21.7	1974	
24	85.5	29.7	94.4	34.7	100	37.8	1969		76.5	24.7	71	21.7	1976	
25	85.6	29.8	95.0	35.0	105	40.6	1954		76.1	24.5	69	20.6	1959	
26	86.1	30.1	95.2	35.1	104	40.0	1954		77.0	25.0	73	22.8	1974*	
27	86.0	30.0	95.1	35.1	105	40.6	1954		76.9	24.9	73	22.8	1974*	
28	85.8	29.9	95.5	35.3	102	38.9	1962		76.1	24.5	70	21.1	1974*	
29	85.9	29.9	95.6	35.3	102	38.9	1960		76.1	24.5	72	22.2	1975*	
30	86.1	30.1	96.2	35.7	105	40.6	1960		76.1	24.5	72	22.2	1974*	
31	85.8	29.9	95.2	35.1	102	38.9	1967		76.5	24.7	70	21.1	1974	
Monthly	84.9	29.4	93.9	34.4	105	40.6	1960*		76.0	24.4	65	18.3	1967	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION
12225

KINGSVILLE, TX.
STATION NAME

1945-1946 1951-1977
YEARS

AUGUST
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	
1	85.9	29.9	94.9	34.9	101	38.3	76.8	24.9	1977*
2	85.6	29.8	94.8	34.9	104	40.0	76.3	24.6	1977
3	84.8	29.3	93.5	34.2	100	37.8	76.0	24.4	1969
4	85.3	29.6	94.3	34.6	100	37.8	76.3	24.6	1969*
5	84.9	29.4	93.8	34.3	99	37.2	75.9	24.4	1964*
6	85.1	29.5	94.2	34.6	100	37.8	76.1	24.5	1953
7	85.4	29.7	94.9	34.9	100	37.8	75.9	24.4	1976*
8	85.6	29.8	95.0	35.0	103	39.4	76.1	24.5	1951
9	85.7	29.8	95.4	35.2	105	40.6	76.1	24.5	1976*
10	86.2	30.1	95.9	35.5	104	40.0	76.3	24.7	1962
11	85.5	29.7	94.6	34.8	102	38.9	76.3	24.7	1969
12	85.5	29.7	94.8	34.9	103	39.4	76.2	24.6	1976
13	85.7	29.8	95.1	35.1	105	40.6	76.2	24.6	1962
14	85.9	29.9	95.1	35.1	103	39.4	76.7	24.8	1962
15	85.3	29.6	94.3	34.6	100	37.8	76.3	24.6	1969*
16	85.4	29.7	94.4	34.7	102	38.9	76.3	24.6	1969
17	85.6	29.8	94.8	34.9	103	39.4	76.3	24.7	1969
18	85.4	29.7	94.8	34.9	103	39.4	76.0	24.4	1969
19	85.2	29.6	94.0	34.4	100	37.8	76.4	24.7	1969*
20	84.9	29.4	93.6	34.2	99	37.2	76.1	24.5	1977
21	84.7	29.3	93.6	34.2	99	37.2	75.9	24.4	1958
22	85.1	29.5	94.7	34.8	102	38.9	75.5	24.2	1958
23	84.9	29.4	94.1	34.5	102	38.9	75.6	24.2	1958
24	84.0	28.9	92.4	33.6	99	37.2	75.6	24.2	1958*
25	83.2	28.4	91.6	33.1	99	37.2	74.9	23.8	1952*
26	83.2	28.4	91.7	33.2	98	36.7	74.7	23.7	1952
27	83.7	28.7	92.2	33.4	102	38.9	75.2	24.0	1951
28	83.7	28.7	92.4	33.6	100	37.8	75.0	23.9	1955
29	83.6	28.7	92.0	33.3	100	37.8	75.1	23.9	1951
30	84.0	28.9	93.2	34.0	103	39.4	74.9	23.8	1951
31	84.1	28.9	92.7	33.7	101	38.3	75.5	24.2	1951
Monthly	84.9	29.4	94.0	34.4	105	40.6	75.9	24.4	1976*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

8000

8000

DAILY AVERAGE/EXTREME TEMPERATURES

12928
STATION

KINGSVILLE, TX. STATION NAME

1945-1946 1951-1977

SEPTEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	84.0	28.9	92.3	33.5	101	38.3	1952*	75.7	24.3	72	22.2	1976*
2	84.1	28.9	92.7	33.7	100	37.8	1952	75.5	24.2	72	22.2	1967
3	83.7	28.7	91.7	33.2	96	35.6	1965*	75.7	24.3	70	21.1	1974
4	83.1	28.4	91.8	33.2	97	36.1	1951	74.5	23.6	59	15.0	1974
5	82.3	27.9	90.9	32.7	101	38.3	1977	73.6	23.1	57	13.9	1974
6	82.6	28.1	91.7	33.2	99	37.2	1971*	73.5	23.1	54	12.2	1974
7	82.6	28.1	91.2	32.9	98	36.7	1971	74.0	23.3	57	13.9	1974
8	82.5	28.1	91.2	32.9	97	36.1	1973*	73.8	23.2	63	17.2	1974
9	82.8	28.2	91.6	33.1	96	35.6	1970*	74.0	23.3	62	16.7	1974
10	82.8	28.2	91.2	32.9	102	38.9	1965	74.5	23.6	64	17.8	1974
11	81.7	27.6	89.9	32.2	99	37.2	1964	73.5	23.1	66	18.9	1957
12	81.7	27.6	90.7	32.6	99	37.2	1973	72.8	22.7	60	15.6	1959
13	81.3	27.4	89.5	31.9	98	36.7	1977	72.1	22.8	66	18.9	1974*
14	80.6	27.0	89.1	31.7	97	36.1	1965*	72.0	22.2	64	17.8	1974
15	81.2	27.3	89.8	32.1	97	36.1	1965*	72.5	22.5	65	18.3	1961*
16	82.2	27.9	91.0	32.8	97	36.1	1954	73.5	23.1	63	17.2	1945
17	81.7	27.6	90.3	32.4	94	34.4	1975*	73.1	22.8	64	17.8	1951
18	81.3	27.4	90.0	32.2	95	35.0	1957	72.6	22.6	63	17.2	1961*
19	81.8	27.7	90.3	32.4	96	35.6	1977*	73.3	22.9	64	17.8	1971*
20	81.6	27.6	89.6	32.0	97	36.1	1956	73.5	23.1	62	16.7	1971
21	81.3	27.4	89.5	31.9	95	35.0	1964	73.1	22.8	65	18.3	1975*
22	81.0	27.2	89.2	31.8	94	34.4	1965	72.7	22.6	62	16.7	1975
23	80.0	26.7	88.3	31.3	93	33.9	1977*	71.8	22.0	54	12.2	1975
24	80.1	26.7	88.8	31.6	95	35.0	1956	71.4	21.9	54	12.2	1975
25	79.4	26.3	87.8	31.0	96	35.6	1976*	71.0	21.7	56	13.3	1975
26	79.4	26.3	88.4	31.3	97	36.1	1959*	70.3	21.3	54	12.2	1975
27	78.4	25.8	87.8	31.0	99	37.2	1977	69.0	20.6	58	14.4	1968
28	77.8	25.4	87.1	30.6	96	35.6	1954	68.4	20.2	54	12.2	1967
29	77.5	25.3	87.3	30.7	95	35.0	1977*	67.7	19.8	54	12.2	1967
30	77.4	25.2	87.8	31.0	98	36.7	1966	67.1	19.5	53	11.7	1974
31												
Monthly	81.3	27.4	90.0	32.2	102	38.9	1965	72.6	22.6	53	11.7	1974

*ALSO ON EARLIER YEARS

DIRNA VOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION
12928

KINGSVILLE, TX.
STATION NAME

1945-1946 1951-1977
YEARS

OCTOBER
MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	76.1	24.5	46.1	30.1	96	35.6	66.1	18.9	50	10.0	1977	1974
2	76.9	24.9	45.6	30.3	95	35.0	67.2	19.6	57	13.9	1977	1963*
3	77.6	25.3	45.9	30.5	94	34.4	68.3	20.2	53	11.7	1966*	1975
4	77.0	25.0	45.7	29.8	95	35.0	68.3	20.2	50	10.0	1956	1975*
5	76.7	24.8	45.5	29.7	96	35.6	67.9	19.9	51	10.6	1960	1975
6	76.9	24.9	46.6	30.3	93	33.9	67.2	19.6	52	11.1	1960	1964
7	75.6	24.2	45.6	29.8	95	35.0	65.5	18.6	52	11.1	1956	1964
8	75.8	24.3	46.4	30.2	94	34.4	65.2	18.4	44	6.7	1977*	1952
9	75.3	24.1	45.6	29.8	96	35.6	64.9	18.3	45	7.2	1962	1952
10	75.7	24.3	45.5	29.7	93	33.9	65.9	18.8	51	10.6	1969*	1976*
11	76.2	24.6	46.1	30.1	93	33.9	66.4	19.1	52	11.1	1962	1952
12	76.5	24.7	46.1	30.1	94	34.4	66.8	19.3	51	10.6	1969	1977
13	75.6	24.2	45.1	29.5	93	33.9	66.1	18.9	44	6.7	1962	1977
14	75.4	24.1	45.0	29.4	94	34.4	65.8	18.8	49	9.4	1954	1977
15	73.9	23.3	43.9	28.8	95	35.0	63.9	17.7	49	9.4	1957	1974
16	72.6	22.6	42.3	27.9	92	33.3	62.9	17.2	44	6.7	1962	1974
17	72.8	22.7	42.6	28.1	93	33.9	62.9	17.2	48	8.9	1972	1974
18	72.5	22.5	42.7	28.2	91	32.8	62.3	16.8	49	9.4	1972*	1974
19	71.9	22.2	42.5	28.1	91	32.8	61.2	16.2	49	9.4	1971	1976
20	71.4	21.9	42.3	27.9	93	33.9	60.4	15.8	42	5.6	1956	1976
21	72.7	22.6	43.0	28.3	90	32.2	62.5	16.9	45	7.2	1972*	1976
22	73.1	22.8	43.2	28.4	92	33.3	63.0	17.2	49	9.4	1957	1965
23	73.8	23.2	44.5	29.2	94	34.4	63.2	17.3	47	8.3	1970*	1945
24	72.0	22.2	41.6	27.6	92	33.3	62.4	16.9	50	10.0	1970	1945
25	70.7	21.5	40.8	27.1	92	33.3	60.6	15.9	43	6.1	1970	1945
26	70.8	21.6	40.7	27.1	95	35.0	60.8	16.0	45	7.2	1959	1945
27	70.1	21.2	40.8	27.1	93	33.9	59.4	15.2	40	4.4	1970	1957
28	69.7	20.9	39.0	26.1	88	31.1	60.5	15.8	41	5.0	1972*	1957
29	70.3	21.3	39.9	26.6	92	33.3	60.7	15.9	45	7.2	1972	1970
30	70.3	21.3	40.9	27.2	92	33.3	59.7	15.4	43	6.1	1972	1976*
31	71.3	21.8	41.6	27.6	94	34.4	61.0	16.1	47	8.3	1972	1954
Monthly	73.8	23.2	43.7	28.7	96	35.6	63.9	17.7	40	4.4	1977*	1957

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

12920

KINGSVILLE, TX.

STATION NAME

1945-1946 1951-1977

YEARS

NOVEMBER

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	70.1	21.2	81.0	27.2	90	32.2	59.2	15.1	43	6.1	1971*
2	68.7	20.4	78.6	25.9	90	32.2	58.8	14.9	36	2.2	1971
3	66.8	19.3	76.2	24.6	89	31.7	57.5	14.2	33	0.6	1973
4	66.2	19.0	76.6	24.8	90	32.2	55.7	13.2	38	3.3	1973
5	67.4	19.7	77.9	25.5	92	33.3	56.9	13.8	39	3.9	1973
6	66.3	19.1	75.7	24.3	91	32.8	56.9	13.8	37	2.8	1963
7	66.7	19.3	76.6	24.8	89	31.7	56.8	13.8	35	1.7	1975*
8	66.1	18.9	76.0	24.4	91	32.8	56.2	13.4	38	3.3	1973
9	65.6	18.7	76.0	24.4	91	32.8	55.2	12.9	42	5.6	1973*
10	63.6	17.6	73.8	23.2	85	29.4	53.4	11.9	33	0.6	1969
11	66.4	19.1	77.7	25.4	89	31.7	55.0	12.8	35	1.7	1962
12	67.4	19.7	78.2	25.7	90	32.2	56.6	13.7	39	3.9	1969
13	63.2	20.1	79.4	26.3	92	33.3	57.0	13.9	37	2.8	1951
14	66.6	19.2	76.5	24.7	90	32.2	56.7	13.7	36	2.2	1973
15	67.0	19.4	77.7	25.4	91	32.8	56.2	13.4	34	1.1	1951
16	67.9	19.9	77.6	25.3	89	31.7	58.1	14.5	32	0.0	1965
17	67.2	19.6	76.2	24.6	90	32.2	58.2	14.6	33	0.6	1958
18	64.7	18.2	73.9	23.3	89	31.7	55.5	13.1	32	0.0	1973
19	64.3	17.9	74.0	23.3	89	31.7	54.7	12.6	34	1.1	1973
20	64.5	18.1	75.1	23.9	87	30.6	53.9	12.2	32	0.0	1956
21	63.6	17.6	74.6	23.7	88	31.1	52.6	11.4	36	2.2	1965
22	63.1	17.3	72.8	22.7	87	30.6	53.4	11.9	37	2.8	1970*
23	63.7	17.6	74.0	23.3	97	36.1	53.5	11.9	34	1.1	1945
24	63.2	17.3	73.1	22.8	89	31.7	53.3	11.8	31	-0.6	1973
25	63.8	17.7	75.9	24.4	91	32.8	51.8	11.0	36	2.2	1965
26	65.7	18.7	77.2	25.1	92	33.3	54.3	12.4	33	0.6	1965
27	62.2	16.8	73.7	23.2	85	29.4	50.8	10.4	35	1.7	1977
28	59.2	15.1	69.1	20.6	85	29.4	49.3	9.6	32	0.0	1971
29	57.1	13.9	66.7	19.3	85	29.4	47.5	8.6	32	0.0	1975*
30	57.3	14.1	66.6	19.2	83	28.3	48.1	8.9	32	0.0	1970
31											
Monthly	65.0	18.3	75.3	24.1	97	36.1	54.8	12.7	31	-0.6	1945

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION
12928

KINGSVILLE, TX.
STATION NAME

1945-1946 1951-1977
YEARS

DECEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	59.7	15.4	65.6	20.9	85	29.4	1954	49.8	9.9	32	0.0	1974
2	62.8	17.1	73.6	23.1	85	29.4	1953*	52.0	11.1	38	3.3	1975
3	63.3	17.4	74.7	23.7	86	30.0	1973	51.9	11.1	35	1.7	1976
4	63.1	17.3	73.3	23.1	89	31.7	1977	52.6	11.4	34	1.1	1968
5	64.3	17.9	74.5	23.6	93	33.9	1972	54.0	12.2	36	2.2	1964
6	61.2	16.2	71.9	22.2	91	32.8	1951	50.5	10.3	35	1.7	1964
7	59.6	15.3	69.8	21.0	87	30.6	1966	49.4	9.7	35	1.7	1959
8	60.6	15.9	71.1	21.7	86	30.0	1966	50.0	10.0	33	0.6	1976
9	60.0	15.6	69.4	20.8	88	31.1	1971	50.5	10.3	35	1.7	1955
10	57.4	14.1	66.8	19.3	83	28.3	1961	47.9	8.8	34	1.1	1972
11	56.5	13.6	67.6	19.8	83	28.3	1963*	45.5	7.5	30	-1.1	1966
12	55.7	13.2	66.1	18.9	84	28.9	1973	45.3	7.4	28	-2.2	1966
13	55.6	13.1	65.6	18.7	85	29.4	1951	45.6	7.6	28	-2.2	1966
14	55.8	13.2	66.0	18.9	85	29.4	1973	45.6	7.6	32	0.0	1966
15	54.2	12.3	64.5	18.1	82	27.8	1969	43.9	6.6	30	-1.1	1964
16	55.0	12.8	65.2	18.4	86	30.0	1977	44.7	7.1	27	-2.8	1972
17	58.3	14.6	69.9	21.1	83	28.3	1964	46.6	8.1	30	-1.1	1974
18	59.9	15.5	70.5	21.4	85	29.4	1970	49.3	9.6	32	0.0	1964
19	58.3	14.6	67.7	19.8	80	26.7	1957	48.9	9.4	30	-1.1	1945
20	58.4	14.7	68.5	20.3	86	30.0	1951	48.2	9.0	30	-1.1	1973
21	57.4	14.1	67.6	19.8	84	28.9	1970	47.3	8.5	22	-5.6	1973
22	58.1	14.5	69.5	20.8	86	30.0	1970	46.6	8.1	31	-0.6	1963
23	58.9	14.9	68.8	20.4	85	29.4	1964	49.1	9.5	28	-2.2	1953
24	58.8	14.9	69.0	20.6	90	32.2	1974	48.5	9.2	28	-2.2	1968*
25	58.1	14.5	68.8	20.4	90	32.2	1964	47.3	8.5	30	-1.1	1953
26	57.1	13.9	67.9	19.9	81	27.2	1968*	46.4	8.0	33	0.6	1953
27	59.5	15.3	69.9	21.1	87	30.6	1968	49.1	9.5	32	0.0	1972
28	59.1	15.1	70.0	21.1	86	30.0	1970	48.1	8.9	34	1.1	1967
29	59.6	15.3	69.7	20.9	84	28.9	1970*	49.4	9.7	34	1.1	1966*
30	60.7	15.9	69.9	21.1	87	30.6	1951	51.5	10.8	34	1.1	1954
31	57.2	14.0	67.0	19.4	86	30.0	1951	47.4	8.6	30	-1.1	1976
Monthly	58.3	14.9	69.2	20.7	93	33.9	1972	48.5	9.2	22	-5.6	1973

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS 45-46 51-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			97	94	95		100		94	89	97	81	
46	84	85	94										
51						94		103	101	93	92	91	
52	87	93	101	96	98	96	99	102	101	94	90	84	102
53	83	86	93	100	100	101	100	103	98	93	87	89	103
54	87	94	98	98	95	95	105	100	98	94	85	88	105
55	82	85	95	102	105	98	96	100	92	94	90	86	105
56	86	90	91	93	91	99	100	99	97	95	85	86	100
57	89	91	88	90	93	100	101	100	97	95	87	82	101
58	80	85	86	103	95	97		102	95	90	90	84	
59	80	89	92	95	95	97	100	101	98	95	89	78	101
60	86	94	86	100	96	98	105	97	94	96	89	81	105
61	79	86	88	91	94	95	96	100	98	91	86	85	100
62	85	95	89	96	99	95	102	105	96	96	89	80	105
63	85	91	89	101	94	98	96	98	95	88	91	83	101
64	81	81	88	96	98	95	100	100	99	90	84	90	100
65	88	82	91	92	91	93	99	97	102	90	92	81	102
66	79	79	90	91	93	96	99	98	99	94	91	87	99
67	87	86	92	95	102	97	102	97	90	89	88	80	102
68	79	79	86	92	90	93	94	97	96	92	89	87	97
69	89	83	90	90	93	102	102	103	96	94	90	83	103
70	83	83	91	94	91	94	99	101	96	94	87	86	101
71	92	87	99	93	97	98	101	96	99	93	90	88	101
72	92	87	98	97	92	98	96	96	96	94	89	93	98
73	84	80	87	95	103	96	103	101	99	93	92	86	103
74	91	89	94	93	96	96	97	99	95	89	87	90	99
75	90	92	98	99	95	97	97	95	94	90	89	83	99
76	87	91	101	89	93	97	94	105	96	93	87	72	105
77	82	94	92	94	93	98	101	104	101	96	85	89	104
MEAN	85.1	87.3	92.3	95.1	95.7	96.8	99.4	100.0	96.9	92.6	88.9	84.8	101.6
S. D.	4.018	4.882	4.594	3.830	3.770	2.225	2.981	2.921	4.798	2.407	2.666	4.510	2.361
TOTAL OBS.	837	763	868	810	837	810	806	837	840	868	840	868	9984

NAVWEASERVCOM

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

12928	KINGSVILLE, TEXAS	45-46, 51-77
STATION	STATION NAME	YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

12928 STATION KINGSVILLE, TEXAS STATION NAME 45-46, 51-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			48	41	58		72		61	43	41	30	
46	34	35	41			68	73	69	63	55	33	32	34
51			40	48	56	67	70	72	64	56	40	28	28
52	39	35	39	49	50	66	70	73	63	47	37	34	32
53	35	41	38	49	48	67	73	73	68	48	38	32	32
54	32	34	37	56	67	60	73	71	61	55	34	36	31
55	32	33	35	51	61	69	71	69	63	40	35	30	30
56	31	33	38	49	59	65	74	69	67	51	38	29	
57	32	47	43	51	60	72	69	73	60	49	32	35	28
58	37	29	38	47	65	70	75	71	63	51	41	35	28
59	28	39	36	44	53	71	72	68	63	47	44	34	32
60	32	28	36	45	54	69	71	73	65	52	44	35	17
61	32	32	43	45	59	65	71	73	58	57	38	29	20
62	17	35	34	43	59	72	71	75	65	46	41	30	30
63	20	29	42	56	64	61	73	69	60	48	46	39	33
64	30	34	44	50	61	71	72	70	64	45	36	28	26
65	33	36	35	51	55	66	72	66	54	48	38	30	30
66	26	35	40	50	59	66	74	72	58	52	38	28	28
67	31	33	41	58	59	66	74	74	67	50	32	38	30
68	29	29	39	50	57	69	72	69	57	43	31	39	23
69	30	39	40	53	59	65	72	72	62	59	46	39	28
70	23	30	38	45	51	61	72	72	60	46	37	27	27
71	34	28	32	42	59	71	72	73	65	55	39	22	22
72	30	30	48	46	64	68	71	72	60	44	32	30	27
73	26	28	45	47	54	70	75	73	65	44	34	36	19
74	33	27	38	43	60	57	67	68	53	50	32	30	25
75	19	31	37	41	60	60	69	70	54	42	32	30	25
76	25	32	40	50	52	68	71	69	63	44	33	34	27
77	27	36	40	46	62	68	72	71	68	44	33	34	27
MEAN	29.5	33.3	39.6	48.2	58.0	66.8	71.5	70.9	61.7	48.8	37.5	32.3	27.5
S. D.	5.201	4.596	3.823	4.498	4.699	4.013	2.302	2.196	4.081	4.982	4.409	4.178	4.426
TOTAL OBS.	837	763	868	810	837	810	806	837	840	868	840	868	9984

NAVWEASERVCOM

5723 Extreme Values Jan 1969

188219

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

12928	KINGSVILLE, TEXAS	45-46, 51-77	YEARS
STATION	STATION NAME		

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

PSYCHROMETRIC SUMMARY

12928

KINGSVILLE, TEXAS

73-77

JAN

YEARS

STATION NAME

MONTH

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
90/ 89									.1					.1				2	2	
88/ 87								.2	.2	.1								1	1	
86/ 85								.2	.2	.1				.1				6	6	
84/ 83								.1	.2	.2								4	4	
82/ 81					.1	.2	.2	.2	.2	.1	.1		.1					11	11	
80/ 79				.1	.3	.2	.2	.2	.2	.1	.1	.1	.2					15	15	
78/ 77					.2	.2	.2	.1	.2	.2	.2							12	12	
76/ 75			.4		.2	.3	.2	.2	.1	.1	.1							19	19	1
74/ 73			.6	.6	.1	.3	.2	.2	.3	.1	.1	.2	.2					34	34	9
72/ 71	.2	.9	.4	.2	.5	.5	.4	.2	.1	.1	.1		.1					43	43	19
70/ 69	.4	.9	.7	.4	.4	.2	.1	.2	.1	.1	.1							43	43	39
68/ 67	.8	.8	.6	.5	.3	.1	.2	.2	.2	.2	.2							51	51	45
66/ 65	.6	1.2	.6	.2	.1	.1	.3	.3	.2	.2	.2							42	42	35
64/ 63	.6	1.5	.4	.3	.5	.2	.5	.1	.1	.1								52	52	55
62/ 61	.6	1.0	.2	.2	.2	.1	.1	.2	.2	.1								35	35	60
60/ 59	1.9	1.4	.4	.2	.2	.2	.2	.2	.2									61	61	59
58/ 57	2.1	1.4	.6	.4	.3	.4	.1	.2										69	69	62
56/ 55	1.2	1.7	.4	1.0	.2	.3	.4	.2	.2									66	66	65
54/ 53	1.0	.8	.4	.4	.3	.2	.2	.3										44	44	44
52/ 51	1.2	2.0	.6	.5	.4	.4	.2	.3										65	65	49
50/ 49	1.5	2.2	1.0	.6	.5	.4	.1	.1	.1									79	79	83
48/ 47	1.6	2.4	.4	.4	.4	.3	.1	.1										71	71	77
46/ 45	1.4	2.3	1.0	.2	.2	.2	.2	.1										67	67	76
44/ 43	1.6	3.3	.7	.6	.6	.2	.2	.1										88	88	87
42/ 41	1.3	1.8	.8	.9	.4	.4	.2											67	67	79
40/ 39	.6	1.0	.9	.3	.2	.2	.1											38	38	53
38/ 37	.2	1.0	.7	.6	.2	.1												34	34	42
36/ 35	.5	1.1	.6	.9	.1													39	39	49
34/ 33	.6	1.3	.6	.6														38	38	44
32/ 31	.3	.6	.5	.2														20	20	42
30/ 29	.1	.2	.6	.2														13	13	22
28/ 27		.1	.4															6	6	18
26/ 25	.1	.1	.1															3	3	11
24/ 23		.1																1	1	5
Element (X)																	Mean No. of Hours with Temperature		Total	
Rel. Hum.																	≥ 80 F		≥ 93 F	
Dry Bulb																	≥ 73 F			
Wet Bulb																	≥ 67 F			
Dew Point																	≥ 32 F			

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

12928

KINGSVILLE, TEXAS

73-77

FEB

05

PSYCHROMETRIC SUMMARY JAN 68

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		D.B./W.B.	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
94/ 93																	.1	1	1				
92/ 91																		1	1				
90/ 89																		3	3				
88/ 87																		2	2				
86/ 85																		3	3				
84/ 83																		8	8				
82/ 81																		16	16				
80/ 79																		22	22				
78/ 77																		35	35				
76/ 75																		33	33				
74/ 73																		38	38				
72/ 71																		49	49				
70/ 69																		55	55			6	
68/ 67																		59	59			32	
66/ 65																		56	56			62	
64/ 63																		74	74			62	
62/ 61																		71	71			72	
60/ 59																		48	48			57	
58/ 57																		53	53			53	
56/ 55																		47	47			64	
54/ 53																		72	72			60	
52/ 51																		66	66			54	
50/ 49																		85	85			61	
48/ 47																		54	54			50	
46/ 45																		43	43			52	
44/ 43																		40	40			43	
42/ 41																		29	29			35	
40/ 39																		16	16			47	
38/ 37																		16	16			36	
36/ 35																		10	10			29	
34/ 33																		7	7			33	
32/ 31																		5	5			34	
30/ 29																		4	4			29	
28/ 27																		2	2			32	
Element (X)	Σ X																Σ X		Σ X		Mean No. of Hours with Temperature		Total
Rel. Hum.																					≥ 80 F		
Dry Bulb																					≥ 73 F		
Wet Bulb																					≥ 67 F		
Dew Point																					≥ 93 F		

NAWWEASERVCOM

PSYCHROMETRIC SUMMARY

12928 STATION KINGSVILLE, TEXAS 73-77 YEARS MAR MONTH PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99																																	1	1		
98/ 97																																	1	1		
94/ 93																																	4	4		
92/ 91																																	5	5		
90/ 89																																	9	9		
88/ 87																																	13	13		
86/ 85																																	21	21		
84/ 83																																	27	27		
82/ 81																																	30	30		1
80/ 79																																	59	59		
78/ 77																																	53	53		6
76/ 75																																	65	65		24
74/ 73																																	90	90		13
72/ 71																																	133	133		93
70/ 69																																	144	144		141
68/ 67																																	110	110		161
66/ 65																																	76	76		114
64/ 63																																	71	71		86
62/ 61																																	51	51		80
60/ 59																																	42	42		58
58/ 57																																	30	30		33
56/ 55																																	32	32		30
54/ 53																																	39	39		44
52/ 51																																	33	33		31
50/ 49																																	34	34		32
48/ 47																																	25	25		33
46/ 45																																	15	15		34
44/ 43																																	11	11		43
42/ 41																																	7	7		38
40/ 39																																	8	8		36
38/ 37																																	1	1		35
36/ 35																																				27
34/ 33																																				1
32/ 31																																				11
Element (X)	ΣX											\bar{X}	σ_x		No. Obs.		Mean No. of Hours with Temperature											$\leq 0 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

NAWWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION
12928

KINGSVILLE, TEXAS

73-77

MAR
MONTH

YEARS

PAGE 2

HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

12928

KINGSVILLE, TEXAS

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APR

STATION NAME

YEARS

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL							
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point						
98/ 97																		1	1							
94/ 93																		3	3							
92/ 91																		5	5							
90/ 89																		5	5							
88/ 87																		14	14							
86/ 85																		19	19							
84/ 83																		31	31							
82/ 81																		74	74							
80/ 79																		63	63	2						
78/ 77																		82	82	14						
76/ 75																		126	126	48						
74/ 73																		130	130	56						
72/ 71																		146	146	189						
70/ 69																		98	98	178						
68/ 67																		94	94	113						
66/ 65																		70	70	115						
64/ 63																		56	56	85						
62/ 61																		46	46	59						
60/ 59																		31	31	53						
58/ 57																		22	22	44						
56/ 55																		30	30	36						
54/ 53																		12	12	38						
52/ 51																		16	16	20						
50/ 49																		7	7	16						
48/ 47																		13	13	22						
46/ 45																		3	3	13						
44/ 43																		2	2	10						
42/ 41																		1	1	5						
40/ 39																				1						
38/ 37																				2						
36/ 35																				1						
34/ 33																				4						
32/ 31																				1						
30/ 29																				7						
30/ 29																				6						
Element (X)	Σ X ²																Σ X		Σ		Mean No. of Hours with Temperature		Total			
Rel. Hum.																					≤ 67 F		≥ 67 F		Total	
Dry Bulb																					≤ 80 F		≥ 80 F			
Wet Bulb																										
Dew Point																										

PSYCHROMETRIC SUMMARY

12928

KINGSVILLE, TEXAS

73-77

MAY

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99									.1					.1	.1			3	3		
98/ 97									.1					.1				3	3		
96/ 95									.2		.1							5	5		
94/ 93									.1		.1			.1				5	5		
92/ 91					.1	.1	.2	.6	.2	.1	.1		.1	.2				24	24		
90/ 89					.2	.4	1.5	.7	.2	.3	.2		.2	.1				49	49		
88/ 87					.6	.9	.9	.9	.4	.4	.2		.1					55	55		
86/ 85			.2	.2	1.0	2.0	1.5	.6	.2	.1	.1		.1					73	73		
84/ 83			.4	1.0	2.4	2.7	1.2	.4	.3	.2	.2		.2					111	111	2	
82/ 81		.2	1.0	2.3	2.3	1.1	.2	.2	.2	.2	.4							97	97	11	1
80/ 79		.9	2.7	2.7	1.7	.2	.4	.2	.2	.1	.4							119	119	38	13
78/ 77		2.5	4.8	2.0	.6	.3		.2	.1	.1	.1							132	132	111	30
76/ 75	.6	4.2	4.1	1.5	.6	.7	.3	.1	.1	.1								152	152	205	81
74/ 73	1.5	4.3	2.7	1.0	.2	.4	.1	.2	.2									131	131	285	203
72/ 71	2.1	2.3	2.4	.6	.2	.2	.2	.1										100	100	196	263
70/ 69	.7	1.1	1.5	.6	.4	.1	.2											57	57	101	185
68/ 67	.4	1.0	1.5	.2	.1	.1	.1	.1										43	43	79	117
66/ 65	.3	.6	.6	.3	.2	.1												25	25	63	88
64/ 63	.2	.3	.6	.2	.2	.2												20	20	45	40
62/ 61	.2	.6	.2	.2														16	16	34	56
60/ 59																		9	9	33	29
58/ 57		.2	.2	.2														6	6	13	35
56/ 55		.1	.3	.1														2	2	14	22
54/ 53			.2															1	1	5	18
52/ 51		.1																1	1	3	17
50/ 49																				1	13
48/ 47																					16
46/ 45																					7
44/ 43																					5
TOTAL	6.2	18.5	23.3	13.2	10.6	9.5	6.8	4.4	2.6	1.6	1.8	.6	.3	.5	.1			1239	1239	1239	1239

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7418290	93530	75.4	17.129	1240	≥ 73 F	≥ 80 F	≥ 93 F	≥ 93 F	Total		
Dry Bulb	7535652	96202	77.6	7.304	1239	696.0	575.9	290.6	9.6	744.0		
Wet Bulb	6354753	88479	71.4	5.416	1239	617.3	391.5	16.2		744.0		
Dew Point	5837159	84621	68.3	6.828	1239	536.2	287.6	18.4		744.0		

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature	Total
Rel. Hum.	7418290	93530	75.4	17.129	1240	≥ 32 F	744.0
Dry Bulb	7535652	96202	77.6	7.304	1239	≥ 73 F	9.6
Wet Bulb	6354753	88479	71.4	5.416	1239	≥ 80 F	744.0
Dew Point	5837159	84621	68.3	6.828	1239	≥ 93 F	744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION
12928

KINGSVILLE, TEXAS

73-77

YEARS

JUN
MONTH

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL	
																					Dry Bulb	Wet Bulb
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31					
96/ 95									.1	.3	.1	.2							9	9		
94/ 93								.1	.9	1.2	1.5	.1	.3						49	49		
92/ 91								.1	1.4	1.9	1.8	.7	.2						73	73		
90/ 89								.9	1.2	2.2	1.7	.5	.1						83	83		
88/ 87					.1	1.2	2.2	2.2	1.6	.7	.1								109	109		
86/ 85			.2	.9	1.8	1.8	1.1	.2			.2	.1	.1						107	107		
84/ 83		.1	.9	1.5	3.1	1.7	.9	.1			.1	.3							104	104	2	
82/ 81		.7	3.5	1.7	2.0	.3	.2	.2	.2	.1	.2	.4	.1						110	110	29	
80/ 79	.1	2.2	4.5	2.7	1.2	.2	.1	.2	.2	.1									136	136	113	
78/ 77	.2	2.7	5.0	2.1	.3			.1											126	126	235	
76/ 75		2.6	4.6	1.7	.2			.1											110	110	236	
74/ 73		1.8	3.3	.9	.2	.2		.2											78	78	245	
72/ 71	.1	1.1	1.9	.2	.1	.1													42	42	157	
70/ 69	1.2	.9	.1	.2	.1	.1													31	31	73	
68/ 67	.2	.2	.1	.3															11	11	37	
66/ 65	.2	.2	.2	.2	.2	.1													11	11	25	
64/ 63			.1	.2	.1														4	4	17	
62/ 61			.2	.2	.2														4	4	10	
60/ 59		.2																	1	1	8	
58/ 57																			2	2	9	
56/ 55																					4	
54/ 53																					15	
52/ 51																					20	
50/ 49																					4	
48/ 47																					2	
TOTAL	.4	13.1	25.6	12.6	11.0	9.4	9.1	8.5	6.7	2.6	1.4	.1	.1						1200	1200	1200	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6515862	86464	72.1	15.440	1200	≥80 F	≥73 F	≥67 F	≤32 F	≤0 F	≥93 F	720.0
Dry Bulb	8029109	97809	81.5	6.891	1200	706.8	656.4	429.6	34.8			720.0
Wet Bulb	6611207	88913	74.1	4.405	1200	676.2	516.0	45.6				720.0
Dew Point	6054029	85003	70.8	5.227	1200	622.2	360.6	10.2				720.0

PSYCHROMETRIC SUMMARY

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KINGSVILLE, TEXAS

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YEARS

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		
102/101																		1	1		
100/ 99																		4	4		
98/ 97																		15	15		
96/ 95																		30	30		
94/ 93																		73	73		
92/ 91																		103	103		
90/ 89																		86	86		
88/ 87																		85	85		
86/ 85																		116	116		
84/ 83																		104	104	5	
82/ 81																		108	108	39	
80/ 79																		141	141	213	
78/ 77																		134	134	321	
76/ 75																		120	120	272	
74/ 73																		70	70	196	
72/ 71																		35	35	134	
70/ 69																		12	12	44	
68/ 67																		3	3	13	
66/ 65																				3	
64/ 63																				3	
62/ 61																				3	
60/ 59																				3	
TOTAL	2.718	9.20	11.31	10.2	9.2	7.4	8.1	6.0	3.6	1.9	.5	.1						1240	1240	1240	

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

Ref. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

≥ 93 F

≥ 80 F

≥ 73 F

≥ 67 F

≤ 32 F

≤ 0 F

1240

16.593

73.8

91500

7092946

744.0

744.0

744.0

744.0

744.0

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PSYCHROMETRIC SUMMARY

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KINGSVILLE, TEXAS

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PSYCHROMETRIC SUMMARY

JAN 68

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PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL D.B./W.B.	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
104/103																		2	2			
102/101															.2			5	5			
100/ 99																		7	7			
98/ 97																		13	13			
96/ 95																		29	29			
94/ 93																		76	76			
92/ 91																		86	86			
90/ 89																		49	49			
88/ 87																		120	120			
86/ 85																		109	109			
84/ 83																		69	69	3		
82/ 81																		102	102	43		
80/ 79																		161	161	192		
78/ 77																		176	176	308		
76/ 75																		132	132	332		
74/ 73																		74	74	213		
72/ 71																		24	24	109		
70/ 69																		6	6	33		
68/ 67																		7	7	67		
66/ 65																				13		
64/ 63																				7		
60/ 59																				1		
58/ 57																				1		
TOTAL	4.0	19.3	24.8	8.8	9.2	9.2	7.2	6.3	4.5	4.0	1.8	.6	.2	.2				1240	1240	1240		

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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KINGSVILLE, TEXAS

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HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

JAN 68

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/ 99											.1							2	2		
98/ 97											.2	.1						1	1		
96/ 95							.6	.1	.2	.2	.4	.1						8	8		
94/ 93					.1	.3	1.1	.9	.6	.4	.1							34	34		
92/ 91					.1	.3	1.1	.9	.7	.3		.2	.1	.1				58	58		
90/ 89					.1	.7	1.7	1.2	.3	.2	.1							52	52		
88/ 87		.2	.3	.2	.7	1.1	2.1	.3	.2	.4	.3	.1	.1	.1				65	65		
86/ 85		.2	1.6	2.7	2.2	1.6	.5	.4	.2	.2	.3	.2	.1	.1				83	83	1	
84/ 83		.2	1.6	2.7	2.2	1.6	.5	.4	.2	.2	.2	.2	.2	.2				97	97	8	2
82/ 81		1.0	2.2	2.3	.9	.7	.1	.2	.2	.2	.2	.2	.2	.2				99	99	26	6
80/ 79	.8	2.4	2.4	1.7	1.0	.2	.4	.1	.2	.2	.3	.1						116	116	126	40
78/ 77	1.5	4.2	3.8	.9	.6	.3	.1	.2	.1	.3	.1							146	146	221	108
76/ 75	2.1	6.0	2.9	.9	.1	.4	.2	.1	.1	.1								154	154	225	191
74/ 73	.9	5.8	1.5	.1	.2	.2	.1	.1	.1									104	104	186	226
72/ 71	.4	2.2	.8	.5	.2	.1	.1	.1	.1									52	52	143	226
70/ 69	.1	.8	.8	.4	.2	.4	.1	.1	.1									35	35	52	89
68/ 67	.1	.4	.7	.4	.2	.1	.2	.1	.1									26	26	42	77
66/ 65		.4	.5	.6	.3	.3	.1											23	23	35	27
64/ 63		.2	.3	.4	.1	.2												15	15	30	31
62/ 61		.2	.2	.2	.3	.2												10	10	26	31
60/ 59		.1	.2	.2	.1													4	4	31	17
58/ 57		.1	.2	.2														7	7	13	24
56/ 55		.1	.3	.2														6	6	15	23
54/ 53			.2															3	3	8	16
52/ 51																				9	8
50/ 49																				3	16
48/ 47																					21
46/ 45																					12
44/ 43																					7
42/ 41																					1
40/ 39																					1
TOTAL	5.924	219.2	12.7	9.0	7.2	7.2	7.6	6.1	3.2	2.3	1.5	.6	.4	.2				1200	1200	1200	1200
Element (X)	ΣX ²	ΣX	ΣX	σ _x	No. Obs.	Mean No. of Hours with Temperature											Total				
Rel. Hum.	7330415	91355	76.1	17.700	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Dry Bulb	7604590	95076	79.2	7.134	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Wet Bulb	6445686	87632	73.0	6.208	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Dew Point	5964686	84082	70.1	7.813	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200

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PSYCHROMETRIC SUMMARY

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KINGSVILLE, TEXAS

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OCT

STATION NAME

YEARS

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Wet Bulb	Dew Point
94/ 93									.1									2	2	
92/ 91								.2	.1									10	10	
90/ 89								.1	.2									15	15	
88/ 87								.3	.4									25	25	
86/ 85								.6	.7			.1						54	54	
84/ 83								.2	.6			.1	.1					63	63	
82/ 81								.4	.7			.1	.1					72	72	8
80/ 79	.2	.3	.4	.5	.6	.7	.8	.9	1.0	.1	.2	.3	.4	.5	.6	.7	.8	66	66	27
78/ 77	.2	.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	.1	.2	.3	.4	.5	.6	.7	.8	87	87	45
76/ 75	.2	1.5	2.8	1.0	1.6	1.2	.7	.6	.4	.2	.1	.2	.1	.1	.1	.1	.1	101	101	23
74/ 73	.6	2.3	2.6	1.0	.6	.6	.4	.4	.1	.2	.1	.1						108	108	58
72/ 71	.9	2.9	1.5	1.0	.3	.1	.2	.2	.1	.1	.1	.1						91	91	73
70/ 69	1.1	2.7	1.9	1.0	.4	.2	.2	.2	.2	.2								93	93	102
68/ 67	.8	1.9	3.0	.7	.2	.3	.1	.2		.2								92	92	125
66/ 65	1.0	2.1	1.7	.5	.5	.2	.3	.1	.2	.2								78	78	121
64/ 63	.7	2.3	1.1	.7	.2	.1	.2	.1	.1	.1								67	67	87
62/ 61	.1	1.5	1.0	.6	.2	.2	.1	.1										43	43	115
60/ 59	.2	1.5	.9	.1	.3	.2	.1											39	39	93
58/ 57	.2	1.1	.4	.8	.2	.1												36	36	65
56/ 55	.1	1.0	.8	.2	.2													28	28	73
54/ 53	.9	.8	.2	.1														25	25	38
52/ 51	.1	.6	.5															14	14	57
50/ 49	.1	.7	.2	.1														13	13	39
48/ 47	.5	.2	.1															9	9	34
46/ 45	.1	.3	.1															6	6	46
44/ 43	.1	.1																3	3	31
42/ 41	.1																	1	1	17
40/ 39																				3
38/ 37																				12
36/ 35																				2
34/ 33																				2
32/ 31																				1
30/ 29																				2
Element (X)	ΣX																\bar{X}		Mean No. of Hours with Temperature	
Rel. Hum.																			≥ 93 F	
Dry Bulb																			≥ 66 F	
Wet Bulb																			≥ 71 F	
Dew Point																			Total	

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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KINGSVILLE, TEXAS

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NOV

YEARS

STATION NAME

MONTH

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91							.1	.3	.1	.1								1	1		
90/ 89							.3	.1	.1									6	6		
88/ 87					.2	.1	.1	.8	.2	.1								9	9		
86/ 85						.1	.7	.2	.1	.1	.1							23	23		
84/ 83				.1	.2	.3	.2	.2	.1									14	14		
82/ 81			.2	.8	.4	.8	.4	.4	.1	.1		.1						41	41		
80/ 79		.2	.2	.7	.6	.6	.4	.4	.1					.1				37	37	4	
78/ 77	.1	.5	1.2	.7	.6	.2	.6	.2	.4	.2								49	49	13	3
76/ 75	.1	1.2	1.5	1.0	.7	.4	.2	.3	.4	.2	.1	.1						75	75	33	17
74/ 73	.7	1.3	1.2	.7	.4	.2	.2	.3	.3	.1		.1						68	68	86	47
72/ 71	1.2	1.2	2.1	.5	.4	.2	.2	.1	.1	.3	.1	.2						76	76	81	58
70/ 69	.4	.9	1.5	.3	.2	.2	.2	.1	.1	.2	.1							48	48	64	64
68/ 67	.7	2.6	1.9	.3	.6	.2	.2	.5	.2	.2	.1							90	90	80	79
66/ 65	.7	1.6	1.0	.8	.8	.2	.2	.1	.1	.1	.1							64	64	89	90
64/ 63	1.0	1.8	.6	.5	.4	.4	.2	.2	.1	.1	.1							65	65	60	75
62/ 61	.8	2.2	.7	.5	.4	.4	.4	.2	.2	.4								68	68	70	59
60/ 59	.9	1.9	1.2	.6	.3	.3	.3		.2	.2								65	65	69	66
58/ 57	.8	1.5	.8	.3	.2	.2	.2	.1	.3	.2	.2							55	55	70	60
56/ 55	.3	1.1	.7	.5	.1	.2	.5	.1	.1									42	42	49	52
54/ 53	.2	1.3	.9	.3	.1	.1	.2	.2	.1									41	41	62	50
52/ 51	.7	.9	.8	.3	.4	.2	.2	.2										45	45	53	57
50/ 49	.6	1.2	1.0	.5	.2	.2	.1	.2										48	48	49	53
48/ 47	.2	1.7	.6	.2	.2	.5	.2		.2									44	44	38	40
46/ 45	.2	.3	.6	.2	.1	.4	.1											24	24	42	40
44/ 43	.1	1.1	.5	.3	.1	.1	.1											26	26	38	26
42/ 41	.1	.6	.7	.3	.3	.3	.1											25	25	32	38
40/ 39		.4	.6	.2	.2	.2												16	16	29	24
38/ 37		.2	.3	.2	.2													12	12	31	20
36/ 35		.3	.3	.6														15	15	18	29
34/ 33		.4	.2	.1														8	8	15	21
32/ 31																				19	20
30/ 29																				5	19
28/ 27																				1	16
26/ 25																					8

Element (X)	Σ X					σ _x	X̄	No. Obs.	Mean No. of Hours with Temperature					Total
	Σ X ²	Σ X	Σ X	Σ X	Σ X				≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.														
Dry Bulb														
Wet Bulb														
Dew Point														

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PSYCHROMETRIC SUMMARY

12928 STATION

KINGSVILLE, TEXAS

73-77

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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

12928

KINGSVILLE, TEXAS

STATION NAME

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YEARS

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MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dew Point	
88/ 87										.1	.1				.1			3	3	
86/ 85									.2	.1	.1							4	4	
84/ 83						.2	.2	.1	.1	.1	.1							7	7	
82/ 81							.1	.2	.1	.1	.1							5	5	
80/ 79				.2	.4	.3	.3	.3	.1	.2								18	18	
78/ 77				.2	.5	.3	.3	.3	.3	.1	.2			.1				23	23	
76/ 75			.1	.2	.4	.3	.3	.3	.2	.1	.2	.1						24	24	
74/ 73			.2	.4	.2	.2	.3	.2	.2	.1	.2	.1						27	27	
72/ 71	.1	.5	.7	.7	.2	.4	.4	.2	.2	.1	.2	.2						36	36	
70/ 69	.6	.6	.8	.8	.4	.3	.2	.2	.2	.1	.2	.1						46	46	
68/ 67	.7	1.0	1.0	.1	.1	.5	.3	.3	.4	.3								60	60	
66/ 65	1.1	1.5	.6	.1	.3	.2	.1	.1	.3	.1	.1							56	56	
64/ 63	1.9	1.7	.4	.1	.2	.4	.2	.1	.3	.2								68	68	
62/ 61	2.1	1.0	.3	.2	.2	.7	.3	.2	.5	.2	.1							72	72	
60/ 59	1.9	.8	.6	.4	.1	.3	.2	.2	.2									60	60	
58/ 57	1.7	1.3	1.0	.9	.2	.1	.4	.2										72	72	
56/ 55	.9	1.3	.7	.5	.2	.5	.4	.2	.1									59	59	
54/ 53	1.5	1.2	.5	.6	1.0	.4	.5	.1										70	70	
52/ 51	1.1	1.9	1.2	.9	1.0	.2	.2											80	80	
50/ 49	1.9	2.2	1.2	.7	.1	.2	.2	.1										82	82	
48/ 47	.6	1.5	.8	1.0	.6	.5												60	60	
46/ 45	1.5	1.5	1.7	1.0	.4		.1											76	76	
44/ 43	1.0	1.8	1.6	.6	.6	.4												77	77	
42/ 41	.6	1.7	1.2	.6	.6	.2												61	61	
40/ 39	.4	.8	1.2	.6	.3													42	42	
38/ 37	.1	.6	.6	.4	.4													26	26	
36/ 35	.1	.2	.2	.4	.2													13	13	
34/ 33	.1	.1	.3	.1	.1													8	8	
32/ 31				.2														2	2	
30/ 29																		10	10	
28/ 27																		2	2	
26/ 25																		2	2	
24/ 23			.2															2	2	
22/ 21																		1	1	
Element (X)	Mean No. of Hours with Temperature																TOTAL			
Rel. Hum.	≥ 0 F																≥ 80 F			
Dry Bulb	≤ 32 F																≥ 93 F			
Wet Bulb																				
Dew Point																				

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PSYCHROMETRIC SUMMARY

12928 KINGSVILLE, TEXAS

73-77

ALL MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
104/103																		2	2				
102/101																		6	6				
100/99																		17	17				
98/97																		34	34				
96/95																		81	81				
94/93																		247	247				
92/91																		366	366				
90/89																		359	359				
88/87																		501	501				
86/85																		618	618	1			
84/83																		639	639	20	2		
82/81																		765	765	156	12		
80/79																		953	953	716	167		
78/77																		1055	1055	1274	535		
76/75																		1111	1111	1434	1029		
74/73																		952	952	1550	1372		
72/71																		827	827	1329	1625		
70/69																		668	668	950	1377		
68/67																		639	639	802	1064		
66/65																		501	501	728	778		
64/63																		492	492	605	659		
62/61																		416	416	534	602		
60/59																		360	360	482	504		
58/57																		352	352	443	440		
56/55																		312	312	395	398		
54/53																		307	307	367	389		
52/51																		320	320	373	341		
50/49																		348	348	394	374		
48/47																		276	276	353	351		
46/45																		239	239	333	324		
44/43																		246	246	301	293		
42/41																		191	191	279	260		
40/39																		120	120	193	240		
38/37																		89	89	165	225		
Element (X)																							
Rel. Hum.																							
Dry Bulb																							
Wet Bulb																							
Dew Point																							
																		Mean No. of Hours with Temperature					
																		≤ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	Total

PSYCHROMETRIC SUMMARY

STATION
82928

KINGSVILLE, TEXAS

73-77

YEARS

ALL
MONTH

MONTH

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
36/ 35	.0	.1	.1	.2	.0													77	77	184
34/ 33	.1	.2	.1	.1	.0													61	61	166
32/ 31	.0	.1	.1	.0														25	25	156
30/ 29	.0	.0	.1	.0														19	19	131
28/ 27	.0	.0	.0	.0														8	8	116
26/ 25	.0	.0	.0	.0														3	3	95
24/ 23		.0	.0															3	3	84
22/ 21		.0																1	1	93
20/ 19																				2
18/ 17																				61
16/ 15																				37
14/ 13																				27
12/ 11																				13
10/ 9																				10
8/ 7																				2
4/ 3																				2
TOTAL	9.722	7.22	7.20	11.5	9.4	7.2	6.2	5.0	3.4	2.2	1.3	.7	.3	.2	.1	.0	.0	14606	14606	14606

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12928 KINGSVILLE, TEXAS

73-77

HRS.(LST.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
00	MEAN	50.3	54.1	63.3	66.6	73.1	77.0	78.6	78.4	74.7	66.7	59.6	66.3
	S. D.	10.666	9.333	7.861	7.150	4.602	4.028	3.064	2.522	4.760	7.341	10.761	12.307
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1825
03	MEAN	48.7	52.2	61.9	65.5	71.7	75.6	76.8	76.7	73.2	64.8	58.1	64.7
	S. D.	11.192	9.817	8.920	7.804	5.217	4.309	2.982	2.424	5.563	7.726	11.375	12.694
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826
06	MEAN	47.2	50.2	60.7	64.3	70.7	74.5	75.5	75.2	71.7	63.2	56.5	63.3
	S. D.	11.191	9.803	9.509	8.347	5.510	4.871	3.252	2.500	5.883	8.248	11.681	12.946
	TOTAL OBS	155	141	155	150	154	150	155	155	150	155	150	1825
09	MEAN	50.1	56.2	66.2	71.6	79.1	83.7	84.3	84.4	79.9	72.4	62.6	70.3
	S. D.	10.826	9.357	8.212	6.155	4.264	3.583	3.729	3.531	5.436	7.869	11.192	14.158
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826
12	MEAN	59.3	66.7	74.1	77.7	84.4	88.2	90.5	90.8	86.8	79.9	71.1	77.8
	S. D.	13.670	11.190	9.452	6.463	5.389	5.383	4.590	4.771	5.826	7.984	12.006	13.586
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826
15	MEAN	62.9	70.0	77.2	79.2	85.6	88.6	91.1	90.6	87.8	80.5	72.7	79.4
	S. D.	14.559	11.477	10.128	6.365	5.390	5.492	4.925	5.774	5.237	7.470	11.998	12.917
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826
18	MEAN	58.1	65.2	72.5	74.9	81.5	85.4	86.8	86.4	83.0	75.1	66.1	74.6
	S. D.	11.831	9.451	8.556	5.345	4.192	3.629	3.823	3.635	3.973	6.385	10.392	12.309
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826
21	MEAN	52.1	56.9	65.1	68.8	75.0	79.0	80.8	80.6	76.8	69.0	61.0	68.3
	S. D.	10.662	8.581	7.245	5.766	4.176	3.531	2.959	2.571	4.481	6.778	10.615	12.089
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826
ALL HOURS	MEAN	53.6	58.9	67.6	71.1	77.6	81.5	83.1	82.8	79.2	71.5	63.5	70.6
	S. D.	13.025	12.046	10.490	8.612	7.305	6.891	6.791	6.788	7.734	9.718	12.543	14.087
	TOTAL OBS	1240	1128	1240	1200	1239	1200	1240	1240	1200	1240	1200	14606

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

12928 KINGSVILLE, TEXAS

73-77

HRS.(L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
00	MEAN	47.9	51.1	60.4	64.2	70.3	73.0	75.2	75.2	64.2	56.9	49.8	63.4
	S. D.	11.375	10.392	9.217	8.030	5.175	4.366	2.729	2.323	7.752	11.582	9.905	12.547
	TOTAL OBS	155	141	155	150	155	150	155	155	155	150	154	1825
03	MEAN	46.6	49.5	59.3	63.5	69.3	72.3	74.3	70.9	62.7	55.7	48.0	62.3
	S. D.	11.742	10.798	9.971	8.502	5.642	4.657	2.816	6.590	8.189	12.101	10.418	13.004
	TOTAL OBS	155	141	155	150	155	150	155	150	155	150	155	1826
06	MEAN	45.3	47.7	58.2	62.4	68.6	71.7	73.4	69.7	61.4	54.5	47.1	61.2
	S. D.	11.729	10.666	10.508	8.972	5.889	4.939	3.018	6.620	8.615	12.461	10.754	13.278
	TOTAL OBS	155	141	155	150	154	150	155	150	155	150	155	1825
09	MEAN	48.0	52.3	62.1	66.5	72.5	75.5	77.0	74.5	67.3	58.8	50.2	65.3
	S. D.	11.395	10.360	9.365	7.311	4.823	3.533	2.572	6.166	8.062	11.998	10.617	13.120
	TOTAL OBS	155	141	155	150	155	150	155	150	155	150	155	1826
12	MEAN	52.6	56.3	64.5	68.1	73.4	75.8	77.1	75.1	68.8	61.5	55.2	67.2
	S. D.	11.590	9.641	9.059	6.873	4.895	3.794	2.447	5.314	6.976	11.183	10.738	11.586
	TOTAL OBS	155	141	155	150	155	150	155	150	155	150	155	1826
15	MEAN	53.9	57.5	65.2	68.3	73.8	75.8	77.6	75.3	68.8	61.9	56.4	67.7
	S. D.	11.373	9.344	8.918	6.811	4.895	4.012	3.002	5.202	6.770	11.069	10.165	11.222
	TOTAL OBS	155	141	155	150	155	150	155	150	155	150	155	1826
18	MEAN	52.1	56.1	63.6	67.2	72.5	75.0	76.6	74.3	67.4	59.6	53.9	66.3
	S. D.	11.148	9.059	8.644	6.454	4.630	3.593	2.667	5.155	6.802	11.336	9.906	11.433
	TOTAL OBS	155	141	155	150	155	150	155	150	155	150	155	1826
21	MEAN	49.2	52.8	61.3	65.5	71.0	73.7	75.6	72.6	65.2	57.5	51.1	64.4
	S. D.	11.099	9.669	8.927	7.168	4.943	4.048	2.623	5.840	7.292	11.575	9.731	12.126
	TOTAL OBS	155	141	155	150	155	150	155	150	155	150	155	1826
ALL HOURS	MEAN	49.5	52.9	61.8	65.7	71.4	74.1	75.8	73.0	65.8	58.3	51.4	64.7
	S. D.	11.760	10.503	9.605	7.811	5.417	4.406	3.060	6.208	7.998	11.896	10.731	12.503
	TOTAL OBS	1240	1128	1240	1200	1239	1200	1240	1200	1240	1200	1239	14606

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

KINGSVILLE, TEXAS

12928

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN 44.9 S. D. 13.955 TOTAL OBS 155	47.6 13.713 155	57.9 11.886 155	62.4 10.140 150	68.8 6.050 155	71.2 5.115 150	73.8 3.038 155	74.2 2.736 155	70.3 7.618 150	62.7 8.648 155	54.4 13.944 150	46.9 12.546 154	61.3 14.319 1825
03	MEAN 44.0 S. D. 14.151 TOTAL OBS 155	46.3 13.804 155	56.9 12.327 155	62.0 10.368 150	68.0 6.431 155	70.8 5.371 150	73.2 3.095 155	73.4 2.767 155	69.6 7.719 150	61.4 9.024 155	53.5 14.268 150	45.1 13.007 155	60.4 14.678 1826
06	MEAN 42.9 S. D. 13.913 TOTAL OBS 155	44.4 13.800 155	56.0 12.803 155	60.9 10.760 150	67.4 6.600 154	70.4 5.433 150	72.6 3.189 155	72.3 2.756 155	68.5 7.578 150	60.2 9.335 155	52.4 14.620 150	44.5 13.206 155	59.5 14.882 1825
09	MEAN 45.2 S. D. 13.959 TOTAL OBS 155	47.9 14.262 155	58.8 12.562 155	63.1 10.650 150	69.2 6.521 155	71.9 4.668 150	74.1 3.029 155	75.1 2.879 155	72.0 7.701 150	64.3 9.565 155	55.5 14.876 150	47.0 13.579 155	62.1 14.786 1826
12	MEAN 46.3 S. D. 14.481 TOTAL OBS 155	46.9 14.734 155	57.7 13.862 155	62.2 10.961 150	68.1 7.404 155	70.4 5.195 150	71.6 3.707 155	71.8 3.272 155	69.9 7.585 150	62.6 9.347 155	54.2 15.360 150	47.7 14.873 155	60.8 14.518 1826
15	MEAN 45.8 S. D. 14.491 TOTAL OBS 155	46.4 15.184 155	56.7 14.288 155	61.8 11.205 150	68.0 7.645 155	70.3 5.574 150	72.2 4.080 155	72.2 3.467 155	69.6 8.293 150	61.8 9.933 155	53.7 15.701 150	47.1 15.097 155	60.5 14.944 1826
18	MEAN 45.9 S. D. 14.836 TOTAL OBS 155	47.4 14.980 155	56.8 14.240 155	62.2 10.298 150	67.9 7.499 155	70.4 5.264 150	72.3 3.671 155	72.6 3.093 155	70.1 8.140 150	62.9 9.139 155	53.6 15.900 150	47.7 13.827 155	60.9 14.659 1826
21	MEAN 45.8 S. D. 13.654 TOTAL OBS 155	48.4 13.708 155	58.0 12.483 155	63.4 9.441 150	68.9 6.246 155	71.3 5.035 150	73.5 3.086 155	74.0 2.704 155	70.6 7.550 150	63.2 8.379 155	54.3 14.523 150	47.5 12.708 155	61.7 14.154 1826
ALL HOURS	MEAN 45.1 S. D. 14.185 TOTAL OBS 1240	46.9 14.288 1240	57.4 13.076 1240	62.3 10.484 1200	68.3 6.829 1239	70.8 5.228 1200	72.9 3.474 1240	73.2 3.160 1240	70.1 7.814 1200	62.4 9.235 1240	54.0 14.893 1200	46.7 13.642 1239	60.9 14.636 14606

2

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RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

12928

KINGSVILLE, TEXAS

73-77

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00	100.0	100.0	98.6	94.3	90.1	83.7	72.2	66.0	34.0	80.9	141
	03	100.0	100.0	99.3	96.5	90.8	85.1	72.4	67.4	45.4	82.5	141
	06	100.0	99.3	99.3	97.2	90.8	85.1	76.7	68.1	44.0	82.6	141
	09	100.0	98.6	97.2	91.5	85.1	78.7	68.8	55.3	30.5	76.8	141
	12	100.0	90.1	82.3	73.0	56.0	36.9	17.9	14.2	9.2	54.0	141
	15	100.0	86.5	73.0	62.4	48.2	30.5	17.7	10.6	5.0	48.8	141
	18	100.0	92.2	80.9	73.0	63.8	54.6	36.3	18.4	7.1	58.1	141
	21	100.0	99.3	95.0	92.2	88.7	78.7	70.2	58.2	22.0	76.3	141
TOTALS		100.0	95.8	90.7	85.0	76.7	66.7	56.0	44.8	24.7	70.0	1128

2

APR

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

12928

KINGSVILLE, TEXAS

73-77

AUG

MONTH

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	100.0	100.0	100.0	97.4	91.0	33.5	87.5	155
	03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.5	40.0	89.8	155
	06	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.1	48.4	91.0	155
	09	100.0	100.0	100.0	100.0	99.4	96.8	62.6	25.2	7.7	74.3	155
	12	100.0	100.0	100.0	92.9	61.9	27.1	2.6	3.9		54.9	155
	15	100.0	100.0	100.0	91.6	63.2	32.3	12.1	9.7	2.6	56.6	155
	18	100.0	100.0	100.0	99.4	91.0	67.1	22.9	8.4	1.3	64.4	155
	21	100.0	100.0	100.0	100.0	100.0	99.4	92.5	56.8	15.5	82.0	155
TOTALS		100.0	100.0	100.0	98.0	89.4	77.8	62.4	48.1	18.6	75.1	1240

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NAVWEASERVCOM

RELATIVE HUMIDITY

STATION	12928
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KINGSVILLE, TEXAS

73-77

MONTH NOV

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00	100.0	100.0	100.0	97.3	94.7	92.0	85.2	72.0	34.7	84.0	150
	03	100.0	100.0	100.0	99.3	95.3	94.0	87.3	75.3	41.3	85.7	150
	06	100.0	100.0	100.0	98.7	96.7	92.7	88.7	79.3	50.0	87.1	150
	09	100.0	100.0	98.7	96.0	90.7	84.7	74.7	56.0	33.3	79.6	150
	12	100.0	98.0	91.3	81.3	68.0	42.0	29.0	16.7	6.0	58.6	150
	15	100.0	94.0	86.7	75.3	60.0	40.7	21.3	8.0	4.0	54.9	150
	18	100.0	98.0	93.3	88.0	80.0	73.3	52.3	28.0	8.7	67.9	150
	21	100.0	100.0	99.3	96.0	91.3	88.7	80.0	64.0	23.3	80.3	150
TOTALS		100.0	98.8	96.2	91.5	84.6	76.0	64.8	49.9	25.2	74.8	1200

330

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00	100.0	100.0	99.4	98.7	96.1	89.6	75.6	65.6	43.5	83.7	154
	03	100.0	100.0	98.7	98.1	95.5	88.4	72.4	67.1	46.5	84.3	153
	06	100.0	100.0	100.0	98.7	94.2	91.0	80.6	69.0	49.7	85.7	155
	09	100.0	100.0	100.0	98.7	92.3	85.8	75.8	61.3	37.4	82.1	155
	12	100.0	98.1	93.5	79.4	64.5	44.5	31.6	23.2	11.0	60.7	155
	15	100.0	93.5	81.3	66.5	51.6	38.1	27.1	20.0	12.3	55.1	155
	18	100.0	99.4	96.8	85.8	76.1	60.0	42.8	31.6	13.5	66.8	155
	21	100.0	100.0	100.0	98.1	90.3	81.9	74.2	57.4	33.5	79.9	155
TOTALS		100.0	98.9	96.2	90.5	82.6	72.4	61.3	49.4	30.9	74.8	1239

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

ALL
MONTH

73-77
PERIOD

KINGSVILLE, TEXAS
STATION NAME

12928
STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	98.9	96.4	91.7	84.8	75.3	62.7	55.6	38.1	77.0	1240
FEB		100.0	95.8	90.7	85.0	76.7	66.7	59.0	44.8	24.7	70.0	1128
MAR		99.9	97.5	93.5	89.1	82.7	75.0	62.2	49.0	28.1	74.4	1240
APR		100.0	98.9	97.0	93.8	88.5	79.3	69.5	53.7	28.8	77.0	1200
MAY		100.0	100.0	98.2	95.7	91.3	80.6	62.3	46.9	18.4	75.4	1240
JUN		100.0	100.0	99.7	97.6	89.5	74.0	59.7	38.8	8.4	72.1	1200
JUL		100.0	100.0	100.0	98.2	89.5	74.2	52.1	41.9	17.9	73.8	1240
AUG		100.0	100.0	100.0	98.0	89.4	77.8	62.1	48.1	18.6	75.1	1240
SEP		100.0	100.0	98.7	96.1	90.7	78.5	62.1	48.5	23.7	76.1	1200
OCT		100.0	99.9	98.4	95.3	88.9	78.2	69.5	51.2	20.7	76.0	1240
NOV		100.0	98.8	96.2	91.5	84.6	76.0	64.8	49.9	25.2	74.8	1200
DEC		100.0	98.9	96.2	90.5	82.6	72.4	61.3	49.4	30.9	74.8	1239
TOTALS		100.0	99.1	97.1	93.5	86.6	75.7	62.1	48.2	23.6	74.7	14607

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

12923 STATION KINGSVILLE, TEXAS

JAN 1973-DEC 1977 YEARS

JANUARY MONTH

ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91					100.0					3	.2
82 TO 86				26.7	60.0	6.7		6.7		15	1.2
77 TO 81	12.1	6.1	3.0	9.1	45.5	18.2		3.0	3.0	33	2.7
72 TO 76	5.3	2.7	4.0	29.3	48.0	5.3	2.7	1.3	1.3	75	6.0
67 TO 71	6.1	3.5	9.6	20.0	48.7	2.6	1.7	5.2	2.6	115	9.3
62 TO 66	11.4	6.1	9.6	17.5	40.4	4.4	1.8	2.6	6.1	114	9.2
57 TO 61	12.4	15.9	12.4	9.7	23.4	6.2	3.4	5.5	11.0	145	11.7
52 TO 56	28.5	21.5	8.3	11.8	11.1	1.4	2.1	2.1	13.2	144	11.6
47 TO 51	42.0	19.9	3.3	5.5	7.7	1.7	2.2	5.5	12.2	181	14.6
42 TO 46	38.3	27.5	4.7	4.1	3.5	3.1	2.6	4.1	11.9	193	15.6
37 TO 41	43.5	20.8	4.0	2.0	2.0	1.0	1.0	5.0	15.8	101	8.1
32 TO 36	58.7	18.5		1.1	4.3		4.3	1.1	12.0	92	7.4
27 TO 31	50.0	20.8		4.2	4.2		4.2	4.2	12.5	24	1.9
22 TO 26	40.0						40.0	20.0		5	.4
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	28.5	16.2	6.0	10.1	19.6	3.2	2.5	4.0	9.8	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

12923 KINGSVILLE, TEXAS

STATION

STATION NAME

JAN 1973-DEC 1977

YEARS

FEBRUARY

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	6.0	1.5	1.5	29.4	35.3	23.5	20.0	5.9		17	1.5
72 TO 76	9.0	2.0	4.0	30.0	40.0	9.0	1.0	3.0	3.0	67	5.9
67 TO 71	9.7	.7	6.0	25.4	47.8	3.7	.7	4.5	1.5	100	8.9
62 TO 66	14.4	2.4	10.8	29.3	31.1	1.8	2.4	3.6	4.2	134	11.9
57 TO 61	17.8	15.6	13.3	16.3	22.2	1.5	1.5	4.4	7.4	167	14.8
52 TO 56	22.9	18.5	8.9	11.5	12.1	1.9	4.5	8.3	11.5	135	12.0
47 TO 51	28.1	23.4	9.0	5.4	8.4	2.4	6.0	3.0	14.4	157	13.9
42 TO 46	28.6	27.6	2.9	2.9	3.8	4.8	9.5	8.6	11.4	167	14.8
37 TO 41	50.0	4.5	2.3	6.8		2.3	9.1	9.1	15.9	105	9.3
32 TO 36	31.6	5.3			5.3	10.5	15.8	15.8	15.8	44	3.9
27 TO 31	66.7						11.1	11.1	11.1	19	1.7
22 TO 26										9	.8
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	19.6	11.3	7.3	16.4	23.9	4.1	4.1	5.4	7.7	1128	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

12920

KINGSVILLE, TEXAS

STATION NAME

JAN 1973-DEC 1977

YEARS

MARCH

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	50.0	50.0	14.3		14.3	28.6	14.3	28.6		2	.2
92 TO 96			4.2	12.5	62.5	8.3	8.3			7	.6
87 TO 91	4.2									24	1.9
82 TO 86	11.1	1.6	6.3	25.4	30.2	11.1		12.7	1.6	63	5.1
77 TO 81	11.0	4.7	7.1	47.2	22.8	2.4	2.4	1.6	.8	127	10.2
72 TO 76	2.7	4.9	9.7	42.0	31.4	1.3	.9	4.0	3.1	226	18.2
67 TO 71	6.0	7.3	13.2	41.1	24.1	1.6	1.3	1.3	2.2	316	25.5
62 TO 66	15.7	13.5	14.6	21.9	20.8	2.8	1.1	1.7	7.9	178	14.4
57 TO 61	16.3	19.6	19.6	19.6	8.7	1.1	3.3	4.3	7.6	92	7.4
52 TO 56	30.1	25.8	8.6	7.5	4.3	3.2	5.4	3.2	11.8	93	7.5
47 TO 51	28.6	28.6	5.7	4.3	4.3	2.9	2.9	10.0	12.9	70	5.6
42 TO 46	48.4	6.5			3.2		6.5	12.9	22.6	31	2.5
37 TO 41	81.8							18.2		11	.9
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.1	10.5	11.4	29.9	21.3	2.7	2.1	3.9	5.2	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

12928

KINGSVILLE, TEXAS

STATION NAME

JAN 1973-DEC 1977

YEARS

APRIL

MONTH

ALL

HOURS L.S.T.

WIND DIRECTION

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					1	.1
87 TO 91	9.5	9.5		16.7	23.3	16.7		16.7	16.7	6	.5
82 TO 86	13.8	6.9		57.1	4.8	4.8		9.5	4.8	21	1.8
77 TO 81	5.5	5.5	11.5	43.7	14.9	1.1		5.7	2.3	87	7.3
72 TO 76	3.7	3.7	12.6	57.7	14.3	2.2	.5	1.1	.5	182	15.2
67 TO 71	14.3	8.8	11.2	54.8	23.0	.6	.3	1.7	1.1	356	29.7
62 TO 66	17.9	13.5	22.3	36.6	11.3	2.5	.4	1.7	2.1	236	19.8
57 TO 61	29.0	11.6	18.8	19.9	7.1	1.9	1.9	3.8	10.9	156	13.0
52 TO 56	30.8	11.5	7.7	15.4	5.8	2.9	2.9	1.4	15.9	69	5.8
47 TO 51	30.8	7.7	15.2	3.8	3.8	3.8	11.5	3.8	23.1	52	4.3
42 TO 46	50.0	16.7					16.7		15.4	26	2.2
37 TO 41									16.7	6	.5
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	12.2	7.5	15.3	40.5	14.1	1.8	1.1	2.6	4.9	1200	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

12928 STATION KINGSVILLE, TEXAS

JAN 1973-DEC 1977

MAY

ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	33.3	16.7			50.0					6	.5
92 TO 96	17.6	11.8	29.4	35.3	5.9					17	1.4
87 TO 91	5.8	4.1	49.6	20.7	2.5	.8	1.7		.8	121	9.8
82 TO 86	4.7	4.3	18.7	51.5	17.4	1.7	.4	.9	.4	235	19.0
77 TO 81	4.0	5.0	15.4	55.0	17.8			.7	2.0	298	24.0
72 TO 76	5.7	11.7	17.1	36.0	17.7	.3	1.4	1.7	8.3	350	28.2
67 TO 71	14.3	13.5	15.0	9.8	8.3	3.0	6.8	5.3	24.1	133	10.7
62 TO 66	22.8	19.3	3.5	8.8	7.0	5.3	5.3	5.3	22.8	57	4.6
57 TO 61	21.1	5.3	15.8		5.3	5.3	10.5	5.3	31.6	19	1.5
52 TO 56		25.0			25.0		50.0			4	.3
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.3	8.2	15.7	39.8	16.7	1.4	1.9	1.9	7.1	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

12928 KINGSVILLE, TEXAS

JAN 1973-DEC 1977

JUNE

 ALL
HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	2.2	6.5	9.8	53.3	23.9	1.1	1.1		2.2	92	7.7
87 TO 91	.4	5.2	19.5	46.1	23.8	.4	.4	.9	1.3	231	19.3
82 TO 86	1.9	6.6	16.3	37.7	31.9	1.9	1.6	.4	1.6	257	21.4
77 TO 81	1.8	3.7	12.6	47.5	25.2	.6	1.2		7.4	326	27.2
72 TO 76	5.6	12.1	18.7	17.8	18.2	1.9	.9	3.7	21.0	214	17.8
67 TO 71	22.4	5.2	8.6	10.3	10.3		1.7	5.2	36.2	58	4.8
62 TO 66	5.6		5.6	5.6	5.6		5.6	11.1	61.1	18	1.5
57 TO 61								75.0	25.0	4	.3
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.3	6.3	15.3	38.1	23.9	1.1	1.2	1.6	9.3	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

12928

KINGSVILLE, TEXAS

STATION NAME

JAN 1973-DEC 1977

YEARS

JULY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101		5.0	50.0	25.0	15.0				5.0	20	1.6
92 TO 96	1.3	9.2	52.3	33.9	.7			.7		153	12.3
87 TO 91	.4	6.0	59.4	26.3	2.7		1.3		1.3	224	18.1
82 TO 86	.7	7.0	45.1	42.5	1.5		.4	.4	1.1	275	22.0
77 TO 81	1.5	9.7	46.1	27.9	.9				10.9	330	26.6
72 TO 76	3.7	9.3	17.0	29.9	1.9		1.4	.5	29.9	214	17.3
67 TO 71	7.7	11.5	19.2	26.9			3.8	3.8	26.9	26	2.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.5	2.6	8.4	43.6	32.1	1.7	.6	.3	9.2	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

12928 KINGSVILLE, TEXAS

JAN 1973-DEC 1977

AUGUST

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	20.0	20.0	20.0	20.0	13.6	9.1			40.0	5	.4
97 TO 101		18.2	54.5		16.0	1.3			4.5	22	1.8
92 TO 96	.6	5.1	58.3		16.0	1.3	.6		1.9	156	12.6
87 TO 91	2.0	2.9	53.4		20.6	3.9		.5	1.5	204	16.5
82 TO 86	4.0	4.9	41.3		25.6	2.7		.4	6.3	223	18.0
77 TO 81	5.3	5.1	39.3		21.6	.8	.5	1.0	15.7	394	31.8
72 TO 76	11.3	4.1	10.9	13.6	13.1	1.4	3.2	2.7	39.8	221	17.8
67 TO 71	26.7	20.0	20.0	13.3	13.3			6.7	13.3	15	1.2
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	5.2	4.7	13.1	39.5	19.6	1.9	.8	1.0	14.1	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

12928

KINGSVILLE, TEXAS

STATION NAME

JAN 1973-DEC 1977

YEARS

SEPTEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	66.7	1.3	13.2	39.5	33.3		3.9	2.6	5.3	3	.3
92 TO 96	5.3	7.8	17.7	31.9	28.9		4.3	.7	2.8	76	6.3
87 TO 91	8.5	5.6	20.1	27.8	24.1	2.1	3.8	4.7	3.0	141	11.8
82 TO 86	8.5	6.5	17.9	25.4	23.5	3.0	2.0	2.9	11.1	234	19.5
77 TO 81	12.7	14.1	10.0	10.3	19.9	1.6	2.1	2.7	30.2	307	25.6
72 TO 76	17.9	16.3	5.0	5.0	11.7	1.0	1.3	13.8	21.3	291	24.3
67 TO 71	36.3	13.2		2.6	1.3	2.6	7.9	2.6	7.9	80	6.7
62 TO 66	47.4	4.8			15.8		4.8	38.1	23.8	30	3.2
57 TO 61	28.6							44.4		21	1.8
52 TO 56	55.6									9	.8
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.6	8.8	14.2	21.1	17.8	1.7	2.8	4.6	13.5	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

12926 KINGSVILLE, TEXAS

JAN 1973-DEC 1977

OCTOBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96				83.3	16.7					6	.5
87 TO 91	2.2	2.2	6.5	37.0	47.8			4.3		46	3.7
82 TO 86	1.3	7.0	19.0	43.0	24.7	.6		1.3	3.2	158	12.7
77 TO 81	9.8	11.4	10.3	39.7	21.7	1.6	1.6	1.1	2.7	184	14.8
72 TO 76	9.6	19.5	18.7	24.3	13.9	.4	.4	2.0	11.2	231	20.2
67 TO 71	17.1	18.8	15.4	17.1	6.4	1.3	.4	4.7	18.8	234	18.9
62 TO 66	21.4	16.2	8.7	9.2	2.9	1.2	.6	8.1	31.6	173	14.0
57 TO 61	37.0	5.6	6.7	3.3	3.3	4.4	2.2	12.2	24.4	90	7.3
52 TO 56	36.7	13.3	3.3	1.7	1.7	10.0	6.7	16.7	10.0	60	4.8
47 TO 51	48.3	3.4					10.3	17.2	20.7	29	2.3
42 TO 46	33.3						22.2	33.3	11.1	9	.7
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.7	13.5	12.7	22.9	13.0	1.6	1.4	5.2	13.9	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

12928 KINGSVILLE, TEXAS

STATION

STATION NAME

JAN 1973-DEC 1977

YEARS

NOVEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	100.0									1	.1
87 TO 91				40.0	26.7	20.0	6.7		6.7	15	1.3
82 TO 86	1.9		3.7	22.2	63.0	5.6	1.9		1.9	54	4.5
77 TO 81	6.4	4.5	2.7	28.2	47.3	6.4		2.7	1.8	110	9.2
72 TO 76	5.1	8.0	8.0	38.3	30.3	2.3	2.3	1.7	4.0	175	14.6
67 TO 71	11.5	9.9	10.4	31.3	20.9	.5	1.6	2.2	11.5	182	15.2
62 TO 66	19.9	15.1	7.8	19.3	13.3	.6	3.6	3.0	17.5	166	13.8
57 TO 61	32.5	16.6	9.3	6.6	7.3	2.0	6.0	6.0	13.9	151	12.6
52 TO 56	52.7	7.3	2.7	6.4	4.5	3.6	4.5	7.3	10.9	110	9.2
47 TO 51	43.6	11.8	2.7	1.8	3.6	.9	2.7	15.5	17.3	110	9.2
42 TO 46	49.2	11.9	1.7					11.9	25.4	59	4.9
37 TO 41	43.2	4.3	4.3	4.5			6.8	27.3	13.6	44	3.7
32 TO 36	39.1	4.3						26.1	30.4	23	1.9
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	23.7	9.7	6.2	18.8	18.6	2.3	2.9	6.2	11.8	1200	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

12928

KINGSVILLE, TEXAS

STATION NAME

JAN 1973-DEC 1977

YEARS

DECEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	33.3				66.7			7.7		3	.2
82 TO 86	7.7			25.0	61.5	23.1		4.5	2.3	13	1.0
77 TO 81	6.6			15.3	52.3	6.8	2.3	4.5	2.3	44	3.6
72 TO 76	5.6	9.7	5.6	15.3	40.3	8.3	5.6	8.3	1.4	72	5.8
67 TO 71	6.6	9.1	5.8	27.3	35.5	3.3	1.7	6.6	4.1	121	9.8
62 TO 66	13.2	8.8	7.5	19.5	28.2	4.4	3.1	3.1	11.3	159	12.8
57 TO 61	18.3	14.8	13.0	13.0	20.1	2.4	.6	4.1	13.6	169	13.6
52 TO 56	36.9	17.0	7.4	9.1	9.7	1.1	2.8	4.5	11.4	176	14.2
47 TO 51	45.7	12.6	1.7	4.0	3.1	3.4	2.3	10.9	14.3	175	14.1
42 TO 46	41.1	10.3	1.6	1.6	3.7	4.2	3.7	14.7	18.9	190	15.3
37 TO 41	43.5	15.2	1.1	1.1	2.2	4.3	5.4	14.1	13.0	92	7.4
32 TO 36	47.6						14.3	19.0	19.0	21	1.7
27 TO 31	100.0									2	.2
22 TO 26							50.0		50.0	2	.2
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	27.8	11.5	5.2	10.9	17.6	4.0	3.1	8.2	11.8	1239	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

 12928 STATION NAME
 KINGSVILLE, TEXAS

 JAN 1973-DEC 1977
 YEARS

ALL MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

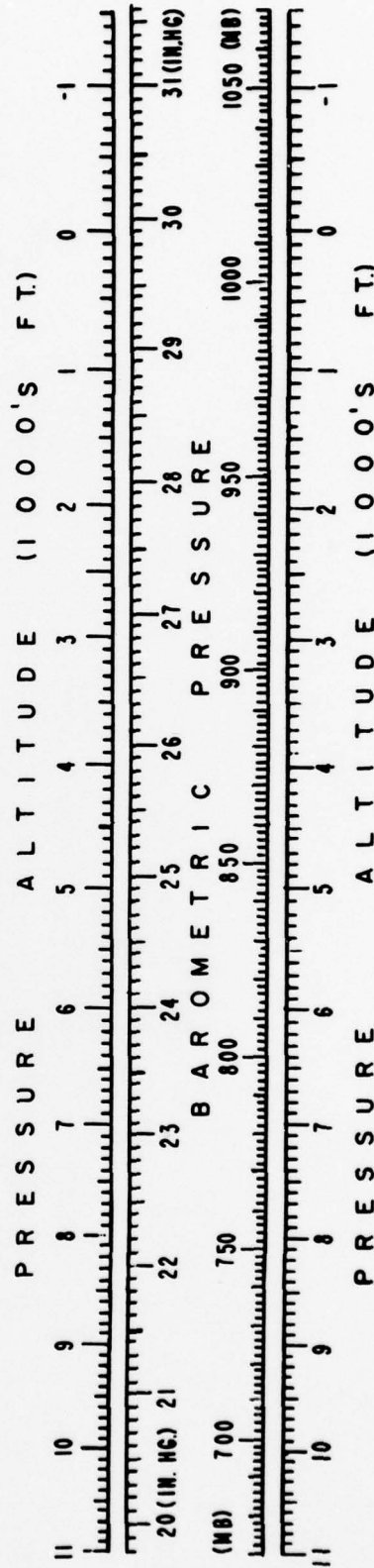
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	20.0	20.0	20.0	20.0	24.1	9.3			40.0	5	.0
97 TO 101	9.3	1.9	11.1	40.7	24.1	9.3			3.7	54	.4
92 TO 96	2.1	3.3	11.8	50.6	26.2	1.6	1.2	1.2	2.1	516	3.5
87 TO 91	2.9	3.7	13.5	47.8	25.2	3.0	1.4	1.0	1.5	1038	7.1
82 TO 86	4.3	4.5	14.2	39.3	29.4	2.8	1.0	2.1	2.3	1629	11.2
77 TO 81	6.0	5.1	11.3	41.6	24.8	1.9	.9	1.2	7.3	2402	16.4
72 TO 76	7.3	8.9	12.1	29.2	22.6	1.7	1.5	2.5	14.2	2545	17.4
67 TO 71	12.7	9.8	13.0	26.2	20.9	1.9	1.5	4.0	10.0	1652	11.3
62 TO 66	17.6	11.3	10.9	18.4	18.8	2.4	2.4	3.9	14.2	1226	8.4
57 TO 61	22.5	14.2	12.5	10.8	14.0	2.9	3.0	6.5	13.6	895	6.1
52 TO 56	33.7	17.0	7.0	9.2	8.0	2.6	4.0	6.5	12.2	802	5.5
47 TO 51	38.7	17.5	4.7	4.2	5.9	2.2	3.8	8.4	14.4	758	5.2
42 TO 46	39.1	18.9	2.7	2.4	3.2	3.2	4.6	9.9	16.0	593	4.1
37 TO 41	47.6	12.7	2.7	2.7	1.4	2.1	4.5	12.3	14.0	292	2.0
32 TO 36	51.0	12.3		.6	3.2	1.3	6.5	9.0	16.1	155	1.1
27 TO 31	57.1	14.3		2.9	2.9		5.7	5.7	11.4	35	.2
22 TO 26	28.6						42.9	14.3	14.3	7	.0
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.4	9.2	10.9	27.7	19.8	2.3	2.0	3.7	9.9	14607	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

12928 KINGSVILLE, TEXAS

73-77

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	30.09130 S. D. .207 TOTAL OBS 155	30.06929 S. D. .198 TOTAL OBS 141	30.06929 S. D. .170 TOTAL OBS 155	30.03229 S. D. .185 TOTAL OBS 150	30.06429 S. D. .136 TOTAL OBS 155	30.08829 S. D. .100 TOTAL OBS 150	30.06929 S. D. .059 TOTAL OBS 155	30.05929 S. D. .053 TOTAL OBS 155	30.09329 S. D. .094 TOTAL OBS 150	30.01930 S. D. .132 TOTAL OBS 155	30.04130 S. D. .192 TOTAL OBS 150	30.070 S. D. .191 TOTAL OBS 154	29.976 S. D. .159 TOTAL OBS 1825
03	30.07730 S. D. .204 TOTAL OBS 155	30.04629 S. D. .200 TOTAL OBS 141	30.07029 S. D. .169 TOTAL OBS 155	30.01229 S. D. .186 TOTAL OBS 150	30.03429 S. D. .135 TOTAL OBS 155	30.07729 S. D. .098 TOTAL OBS 150	30.09429 S. D. .059 TOTAL OBS 155	30.09429 S. D. .057 TOTAL OBS 155	30.09729 S. D. .097 TOTAL OBS 150	30.00230 S. D. .133 TOTAL OBS 155	30.02130 S. D. .196 TOTAL OBS 150	30.053 S. D. .194 TOTAL OBS 155	29.956 S. D. .171 TOTAL OBS 1826
06	30.07730 S. D. .204 TOTAL OBS 155	30.05629 S. D. .195 TOTAL OBS 141	30.07829 S. D. .170 TOTAL OBS 155	30.01529 S. D. .187 TOTAL OBS 150	30.05229 S. D. .136 TOTAL OBS 155	30.09229 S. D. .098 TOTAL OBS 150	30.06029 S. D. .060 TOTAL OBS 155	30.09429 S. D. .059 TOTAL OBS 155	30.09229 S. D. .099 TOTAL OBS 150	30.01530 S. D. .133 TOTAL OBS 155	30.03330 S. D. .195 TOTAL OBS 150	30.054 S. D. .195 TOTAL OBS 155	29.966 S. D. .170 TOTAL OBS 1826
09	30.12730 S. D. .207 TOTAL OBS 155	30.10529 S. D. .198 TOTAL OBS 141	30.09229 S. D. .174 TOTAL OBS 155	30.06029 S. D. .186 TOTAL OBS 150	30.08629 S. D. .137 TOTAL OBS 155	30.09229 S. D. .099 TOTAL OBS 150	30.09229 S. D. .062 TOTAL OBS 155	30.09229 S. D. .062 TOTAL OBS 155	30.09329 S. D. .101 TOTAL OBS 150	30.02930 S. D. .137 TOTAL OBS 155	30.08430 S. D. .195 TOTAL OBS 150	30.101 S. D. .198 TOTAL OBS 155	30.008 S. D. .174 TOTAL OBS 1826
12	30.11830 S. D. .210 TOTAL OBS 155	30.09929 S. D. .199 TOTAL OBS 141	30.09129 S. D. .175 TOTAL OBS 155	30.04729 S. D. .185 TOTAL OBS 150	30.06929 S. D. .137 TOTAL OBS 155	30.09129 S. D. .102 TOTAL OBS 150	30.098029 S. D. .063 TOTAL OBS 155	30.09029 S. D. .063 TOTAL OBS 155	30.09329 S. D. .102 TOTAL OBS 150	30.03830 S. D. .138 TOTAL OBS 155	30.06330 S. D. .198 TOTAL OBS 150	30.083 S. D. .200 TOTAL OBS 155	29.993 S. D. .175 TOTAL OBS 1826
15	30.03930 S. D. .211 TOTAL OBS 155	30.01629 S. D. .200 TOTAL OBS 141	30.03729 S. D. .179 TOTAL OBS 155	30.08829 S. D. .184 TOTAL OBS 150	30.02529 S. D. .139 TOTAL OBS 155	30.06929 S. D. .103 TOTAL OBS 150	30.093529 S. D. .066 TOTAL OBS 155	30.091129 S. D. .064 TOTAL OBS 155	30.087629 S. D. .101 TOTAL OBS 150	30.07529 S. D. .137 TOTAL OBS 155	30.09730 S. D. .198 TOTAL OBS 150	30.010 S. D. .200 TOTAL OBS 155	29.931 S. D. .172 TOTAL OBS 1826
18	30.04730 S. D. .213 TOTAL OBS 155	30.01329 S. D. .201 TOTAL OBS 141	30.02729 S. D. .176 TOTAL OBS 155	30.07329 S. D. .184 TOTAL OBS 150	30.04229 S. D. .138 TOTAL OBS 155	30.08429 S. D. .102 TOTAL OBS 150	30.091129 S. D. .066 TOTAL OBS 155	30.089029 S. D. .063 TOTAL OBS 155	30.087229 S. D. .100 TOTAL OBS 150	30.07930 S. D. .138 TOTAL OBS 155	30.00530 S. D. .199 TOTAL OBS 150	30.018 S. D. .195 TOTAL OBS 155	29.924 S. D. .176 TOTAL OBS 1826
21	30.08630 S. D. .212 TOTAL OBS 155	30.05829 S. D. .198 TOTAL OBS 141	30.07429 S. D. .170 TOTAL OBS 155	30.09129 S. D. .183 TOTAL OBS 150	30.04729 S. D. .136 TOTAL OBS 155	30.088029 S. D. .100 TOTAL OBS 150	30.094329 S. D. .059 TOTAL OBS 155	30.09329 S. D. .057 TOTAL OBS 155	30.091730 S. D. .097 TOTAL OBS 150	30.01730 S. D. .137 TOTAL OBS 155	30.04530 S. D. .199 TOTAL OBS 150	30.038 S. D. .191 TOTAL OBS 155	29.964 S. D. .173 TOTAL OBS 1826
ALL HOURS	30.08330 S. D. .210 TOTAL OBS 1240	30.05829 S. D. .200 TOTAL OBS 1128	30.07829 S. D. .176 TOTAL OBS 1240	30.09129 S. D. .187 TOTAL OBS 1200	30.04729 S. D. .138 TOTAL OBS 1240	30.088729 S. D. .102 TOTAL OBS 1200	30.095529 S. D. .066 TOTAL OBS 1240	30.094029 S. D. .066 TOTAL OBS 1240	30.091330 S. D. .102 TOTAL OBS 1200	30.01330 S. D. .138 TOTAL OBS 1240	30.03630 S. D. .198 TOTAL OBS 1200	30.056 S. D. .197 TOTAL OBS 1239	29.965 S. D. .175 TOTAL OBS 14607

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBs FROM HOURLY OBSERVATIONS

12928 KINGSVILLE, TEXAS 73-77

STATION NAME														YEARS											
HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL												
00	MEAN	1020.9	1020.1	1014.1	1015.5	1013.1	1014.3	1016.7	1016.2	1018.4	1019.1	1020.1	1017.0												
	S. D.	6.980	6.670	5.727	6.262	4.611	3.375	1.971	1.870	4.488	6.511	6.447	5.725												
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1825												
03	MEAN	1020.4	1019.3	1013.4	1014.4	1012.1	1013.6	1016.0	1015.6	1017.8	1018.5	1019.6	1016.3												
	S. D.	6.916	6.773	5.730	6.279	4.566	3.317	1.998	1.907	4.504	6.598	6.538	5.797												
	TOTAL OBS	155	141	155	150	155	150	155	155	155	150	155	1826												
06	MEAN	1020.4	1019.7	1013.7	1014.9	1012.7	1014.1	1016.4	1015.0	1018.3	1018.9	1019.6	1016.6												
	S. D.	6.866	6.605	5.752	6.338	4.575	3.301	2.046	2.006	4.576	6.596	6.592	5.746												
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826												
09	MEAN	1022.1	1021.3	1015.3	1016.4	1013.9	1015.1	1017.5	1017.0	1019.8	1020.6	1021.2	1018.0												
	S. D.	7.025	6.682	5.877	6.272	4.632	3.347	2.077	1.984	4.642	6.609	6.669	5.872												
	TOTAL OBS	155	141	155	150	155	150	155	155	155	150	155	1826												
12	MEAN	1021.8	1021.1	1015.0	1016.0	1013.4	1014.7	1017.1	1016.3	1019.1	1019.9	1020.6	1017.5												
	S. D.	7.094	6.729	5.935	6.262	4.653	3.430	2.098	2.021	4.664	6.706	6.783	5.921												
	TOTAL OBS	155	141	155	150	155	150	155	155	155	150	155	1826												
15	MEAN	1019.1	1018.3	1012.3	1014.3	1011.9	1013.3	1015.6	1014.8	1016.6	1017.6	1018.1	1015.4												
	S. D.	7.145	6.760	6.024	6.231	4.656	3.493	2.170	2.133	4.632	6.723	6.775	5.806												
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826												
18	MEAN	1019.3	1018.2	1011.9	1013.5	1011.1	1012.6	1014.8	1014.3	1017.0	1017.9	1018.4	1015.2												
	S. D.	7.204	6.791	5.956	6.213	4.662	3.433	2.190	2.108	4.638	6.741	6.614	5.935												
	TOTAL OBS	155	141	155	150	155	150	155	155	155	150	155	1826												
21	MEAN	1020.6	1019.8	1013.5	1015.0	1012.6	1013.7	1015.8	1015.3	1018.4	1019.3	1019.7	1016.6												
	S. D.	7.185	6.684	5.752	6.199	4.619	3.359	1.973	1.947	4.643	6.707	6.457	5.853												
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	1826												
ALL HOURS	MEAN	1020.6	1019.7	1013.6	1015.0	1012.6	1013.3	1016.2	1015.7	1018.2	1019.0	1019.7	1016.6												
	S. D.	7.102	6.775	5.934	6.309	4.684	3.458	2.217	2.183	4.673	6.693	6.663	5.901												
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1200	1240	1200	1239	14607												